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NEW YORK UNIVERSITY

College of Engineering

RESEARCH DIVISION

University Heights, New York 53, N. Y.

Department of Meteorology and Oceanography

Geophysical Sciences Laboratory Report No. 63-5

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Wave Spectra Estimated from Wave Records Obtained by the OWS WEATHER EXPLORER and the OWS WEATHER REPORTER (II)

by

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Technical Report Prepared for

U. S. Navy Oceanographic Office

under contract

N62306-1042

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Introduction

As a part of the problem of developing numerical wave forecasting procedures for the North Atlantic Ocean, selected sequences of the weather maps for the North Atlantic for which wave data were known to be available were studied in detail for the five year period beginning in April 1955 and ending in March 1960. Data from a hurricane in September 1961 have also been analyzed. Certain dates and times of observations were selected for a variety of reasons for study. For these dates and times, the National Institute of Oceanography provided copies of the wave records that were obtained by the OWS Weather Explorer and by the OWS Weather Reporter.

In total, about 800 wave records were provided, and a complete spectral analysis is planned for about 400 of these records.

This report is the second of a series of reports (Moskowitz, Pierson, and Mehr, 1962) to present in tabular and graphical form the results of these analyses. The total number of spectra given is 290.

Analysis procedures

The original wave records varied in length, but almost all of this second set were 15 minutes long. A few were only seven or eight minutes long. The crest to trough heights of the highest waves in a particular record (uncorrected for calibration effects) varied from a few feet to more than 60 feet in the complete set of records. Bounds were set on each record just above the highest wave crest and just below the lowest wave trough, and the records were read to an accuracy of one part in a thousand (nominally) over this range at an interval of

1.5 seconds throughout the record. Thus a 15 minute record was reduced to a time series of 600 points. Where gaps or irregularities occurred, the records were smoothed by hand as accurately as possible.

The time series of 600 points was then analyzed on the CDC 1604 so as to estimate the energy spectrum of the waves at 60 points over the frequency range from zero to 0.333 cycles per second by means of the procedures given by Tukey (1949) as explained in detail by Blackman and Tukey (1958). The smoothing operation that was used to go from L to U in the equations of Blackman and Tukey was

$$U_h = 0.25L_{h-1} + 0.50L_h + 0.25L_{h+1} \quad (1)$$

with suitable corrections at the ends of the range.

The spectral estimates so obtained still had to be corrected for the response of the shipborne wave recorder (Tucker, 1956) and for the introduction of noise in both the original record and in the digitization procedure. The calibration of the shipborne recorder depends on the ship, and the calibration curves were provided by Mr. D. E. Cartwright for this purpose. The calibration curve for the Weather Explorer is given by Table 1. The calibration curve for the Weather Reporter is given by Table 2. After May 10, 1958, the Weather Reporter made all of the wave observations.

As in another investigation (Bretschneider, Crutcher, et al (in press))*, it was found that the application of the above calibration curves to the spectra that were originally computed resulted first in

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*The 40 spectra contained in this paper are supplemented by 32 additional spectra through 28 Dec. 1959 and are denoted as JHB1 through JHB32.

a decrease and then a rapid increase in the spectra at high frequencies due to the presence of noise and other irregularities (possibly from nonlinear effects in the original wave records) at the high frequency end of the spectrum. To eliminate this effect, the last part of the spectrum was smoothed by a three point running weighted mean (0.25, 0.50, and 0.25) and then the last ten values were averaged. In the first report of this series, this weighting was carried out as described in that report. The changes in this report should be noted. For comparison the first ten spectra of this report are repeats of the earlier spectra. There is essentially no difference. This average was treated as white noise and subtracted from all spectral estimates. When the reduced values were multiplied by the appropriate calibration curves, the usual result was a fairly smooth spectrum that decreased regularly toward zero values at high frequency. By such a procedure some of the spectral values at high frequency will be negative. These values were automatically set equal to zero in the rest of the computations.

Even with these corrections, there were a few spectra that still became exceptionally large for frequencies greater than about 0.25 cycles per second. This behavior was apparently caused by the original quality of the record and not by the digitization procedure. These spectra were further modified by arbitrarily setting the calibration curve equal to one above a certain frequency that was selected by inspection of each spectrum.

The result of such a sequence of computations should yield fairly reliable spectral estimates for frequencies ranging from zero to 0.25 cycles per second, but the values at high frequencies should not be used to decide on any features of the high frequency end.

Sample parameter estimates

The spectral estimates that resulted from this sequence of operations were then processed further to obtain some additional useful information. Let U_h^*, for h = 0, 1, 2, $\cdots$, 60, represent the spectral estimates (after subtraction of the noise and multiplication by the calibration for the shipborne recorder) in terms of the resolution of the variance of the wave record into frequency intervals. The following quantities were then also computed and tabulated with each spectrum.

(2) CORR VAR = corrected variance = ΣU_h^*

(3) SIG HGT = $\overline{H}_{\frac{1}{3}} = 2.83 (2 \Sigma U_h^*)^{1/2}$

(4) AVER T = $\widetilde{T} = [\Sigma U_h^* / \Sigma f_h^2 U_h^*]^{1/2}$

(5) TOTAL DF = Total degrees of freedom = $10 [\Sigma U_h^*]^2 / [\Sigma U_h^2]$

(for 600 points, 60 lags; i.e., 20 degrees of freedom per spectral estimate)

The confidence intervals on the corrected variance and on the significant height are given by

(6)

Upper 95% on CORR VAR = $(10^{+1/\sqrt{TDF}})$ CORR VAR

Lower 5% on CORR VAR = $(10^{-1/\sqrt{TDF}})$ CORR VAR

and by

$$\text{Upper } 95\% \text{ on } \bar{H}_{\frac{1}{3}} = 10^{+1/2\sqrt{TDF}}\ \bar{H}_{\frac{1}{3}}$$

(7)

$$\text{Lower } 5\% \text{ on } \bar{H}_{\frac{1}{3}} = 10^{-1/2\sqrt{TDF}}\ \bar{H}_{\frac{1}{3}}$$

in terms of the total degrees of freedom (TDF) to a high degree of accuracy since the total degrees of freedom are large.

The corrected variance, the significant height, and the total degrees of freedom are relatively insensitive to changes in the noise level and in the high frequency behavior of the spectrum. However, the average period can properly be viewed with caution.

The winds at the ship at the time of observation are also given to the nearest five knots as read directly from weather maps when available. These values are subject to later correction in terms of the logs of the weather ships.

Explanation of tables and graphs

The body of this report consists of supplementary tables, of tables that give the appropriate results for each of the original wave records, and of graphs of each of the estimated spectra along with the confidence intervals on the spectra.

The supplementary tables consist of Tables 1 through 4. Tables 1 and 2 have been described above.

Table 3 gives either the on station position of the ship, A, I, J, or K, or the latitude and longitude of the ship if it is going on or off station. The speed and direction of the ship is given.

Position A corresponds to 62°N, 33°W.

Position I corresponds to 59°N, 19°W.

Position J corresponds to 52.5°N, 20°W.

Position K corresponds to 45°N, 16°W.

If the record was not 15 minutes long, less than 600 points were read. For these records, Table 4 gives the actual number of points used and the corrected total degrees of freedom. A correction to the upper and lower confidence limits, which would be quite small, would also be needed to be exact.

Spectral tabulations

A tabulated spectrum can be interpreted as follows:

1a) Supplementary data for each spectrum consist of the date, hour, wind speed, total degrees of freedom, average period, significant height, corrected variance, noise level, and record number. The confidence limits for the height according to equation (7) are given. A zero wind speed represents an unreported wind speed at the time of the observation as read from synoptic charts. Ship logs will be used to provide supplementary information in later reports.

1b) In the first column, the spectral lag numbers (H) are given.

2) In the second column (FRE) the frequency according to the equation $f = H/180$ (sec^{-1}) is given.

3) In the third column (UNIT = FT^2), the spectrum as computed from the original data is given in units of $(ft)^2$.

4) In the fourth column (FILTERED), a smoothing operator for $H > 40$ is applied. It is actually

$$F_H = 0.25U_{H-1} + 0.50U_H + 0.25U_{H+1}$$

(where F = Filtered, and U = unit).

5) In the fifth column (LESS NOISE), the noise level shown at the top is subtracted from each estimate.

6) In the sixth column (CORR FT 2), the LESS NOISE column is multiplied by the calibration curve for the shipborne record according to either Table 1 or Table 2. If this column agrees with the previous column, at high frequencies, the calibration curve has been arbitrarily set equal to one to avoid extreme values at high frequency.

7) In the last two columns, the upper and lower 95% and 5% confidence bounds are shown.

The format has been changed so that the numbers will be larger and more legible.

The graphs of the spectra

The plot that accompanies the spectral tabulation shows the spectrum and the 95% and 5% confidence bounds. A histogram that can be plotted directly by the machine has been used to simplify the presentation. The asterisks represent the upper and lower bounds. The solid portion represents the outline of the spectrum. The scale is chosen so that the highest 95% confidence value is at the top of the graph and the vertical axis of the coordinate system shows the spectral values for that spectrum in units of $(\text{feet})^2$. The scales change with each spectrum and comparisons between spectra by means of the graphs should be made cautiously.

Availability on magnetic tape

The procedures used to carry out the spectral computations necessitate the use of the digitized wave records. If the spectra are to be computed only once this procedure is satisfactory. If further operations or recalculations of the spectra are to be performed, the use of the digitized wave records can be eliminated. The use of the raw spectra (shown in column three of the tabulated spectra) reduces the amount of input data considerably and hence, also speeds up the computer operations. The raw spectra of all the records presented in this report, the previous report (November 1962), and the paper by Bretschneider, Crutcher, et al (in press) are available on magnetic tape. For those who may find further use of the raw spectra, additional copies of the tape can be made available.

Acknowledgments

We wish to thank the National Institute of Oceanography of the United Kingdom for providing us with the wave records. Dr. J. Darbyshire sent some of the records to us from South Africa. Mr. D. E. Cartwright and Mr. L. Draper were most helpful in assembling other records at N. I. O. having them copies and forwarding the records to us. The records were digitized at Johns Hopkins University and at the Davidson Laboratory of Stevens Institute of Technology.

References

Blackman, R. B., and J. W. Tukey (1958): The measurement of power spectra from the point of view of communcations engineering, Parts I and II. Bell System Tech. Journ., Jan. 1958, March 1958.

Bretschneider, C. L., H. L. Crutcher, J. Darbyshire, G. Neumann, W. J. Pierson, H. Walden, and B. W. Wilson: Data for high wave conditions observed by the OWS Weather Reporter in December 1959. (To be published in D. H. Z.)

Moskowitz, L., W. J. Pierson, and E. Mehr (1962): Wave spectra estimated from wave records obtained by the OWS WEATHER EXPLORER and the OWS WEATHER REPORTER (I). New York University Technical Report under Contr. N62306-1042, College of Engineering, Department of Meteorology and Oceanography.

Tucker, M. J. (1957): A ship-borne wave recorder. Trans. Inst. Naval Arch., London, 98, 236.

Tukey, J. W.: The sampling theory of power spectrum estimates. Symposium on Applications of Autocorrelation Analysis to Physical Problems. Woods Hole, Massachusetts, 13-14 June, 1949. pp. 47-67, 1950.

Table 1. Calibration factors for the Weather Explorer. (Vector A)

1.0000					
1.0000	1.0000	1.0000	1.0000	1.0000	1.6157
1.3740	1.2452	1.1746	1.1399	1.1291	1.1343
1.1547	1.1870	1.2304	1.2845	1.3504	1.4277
1.5193	1.6241	1.7444	1.8828	2.0415	2.2243
2.4349	2.6765	2.9523	3.2725	3.6414	4.0714
4.5654	5.1490	5.8190	6.6136	7.5383	8.6338
9.9169	11.4459	13.2691	15.4245	18.0095	21.1086
24.8366	29.3522	34.8079	41.4485	49.5464	59.4548
71.5502	86.5947	105.1503	128.1186	156.7723	192.5202
237.3987	293.8682	365.1736	455.5306	570.2699	716.8705

Table 2. Calibration factors for the Weather Reporter. (Vector B)

1.0000					
1.0000	1.0000	1.0000	1.0000	1.0000	1.5755
1.3277	1.1908	1.1099	1.0630	1.0375	1.0257
1.0260	1.0350	1.0514	1.0633	1.1034	1.1384
1.1805	1.2280	1.2817	1.3424	1.4105	1.4871
1.5731	1.6684	1.7736	1.8918	2.0229	2.1704
2.3321	2.5169	2.7181	2.9479	3.2018	3.4899
3.8088	4.1715	4.5826	5.0408	5.5616	6.1512
6.8201	7.5845	8.4517	9.4439	10.5785	11.8784
13.3689	15.0856	17.0596	19.3530	22.0055	25.0761
28.6529	32.8206	37.6868	43.3807	50.0432	57.8872

Table 3. Position and speed of ship for each record.

Record No.		Position	Heading	Speed (kts)
JHB	1	J		stopped
	2	J	210°	1½
	3	J	250°	2
	4	J	265°	2
	5	J	270°	1
	6	J	270°	1
	7	J	270°	1
	8	J	280°	1
	9	J	280°	1
	10	J	280°	1
	11	J	290°	1
	12	J	300°	2
	13	J	300°	2
	14	J	300°	1
	15	J	300°	2
	16	J	090°	1
	17	J	130°	1
	18	J		stopped
	19	J	180°	1
	20	J	220°	1
	21	J	050°	3
	22	J	360°	3
	23	J	030°	3
	24	J	250°	1
	25	J	250°	2
	26	J	260°	1½
	27	J	270°	1
	28	J		stopped
	29	J		stopped
	30	J	350°	2
	31	J	310°	1
	32	J	350°	2

Table 3 (cont.)

Record No.		Position	Heading	Speed (kts)
JHC	1	I		stopped
	2	I		stopped
	3	I	210°	1
	4	I	220°	1
	5	I	220°	½
	6	I	240°	1
	7	I	240°	1
	8	I	250°	½
	9	I	250°	1
	10	I	260°	½
	11	I	100°	3
	12	I	260°	½
	13	I	240°	½
	14	I	260°	½
	15	K		stopped
	16	K		stopped
	17	K		stopped
	18	K		2
	19	K		2
	20	K		2
	21	K		1½
	22	K		1½
	23	K		1½
	24	K		1
	25	J		stopped
	26	J		stopped
	27	J		stopped
	28	J		1
	29	J		1
	30	J		1

Table 3 (cont.)

Record No.	Position	Heading	Speed (kts)
JHC 31	J		stopped
32	J		stopped
33	J		stopped
34	J		1
35	J		1
36	J		stopped
37	I		$1\frac{1}{2}$
38	I	180°	1
39	I		
40	I		hove to
41	I		hove to
42	I		hove to
43	I		
44	I		hove to
45	I		
46	I		
47	I		stopped
48	I		stopped
49	I		stopped
50	I	190°	1
51	I	200°	$1\frac{1}{2}$
52	I	170°	$\frac{1}{2}$
53	I	190°	$\frac{1}{2}$
54	I	170°	$\frac{1}{2}$
55	I	170°	1
56	I	180°	1
57	I	180°	1
58	I		stopped
59	I		stopped
60	I	180°	$\frac{1}{2}$
61	J	310°	1
62	J	310°	1
63	J	310°	1

Table 3 (cont.)

Record No.	Position	Heading	Speed (kts)
JHC 64	J	270°	1
65	J	270°	1
66	J	270°	1
67	J		1
68	J		stopped
69	J		1
70	J		stopped
71	I		1
72	I		1
74	I		1
75	I	270°	1
76	I	270°	1
77	I	270°	1
78	I	270°	1
79	I	270°	1
80	I	270°	1
81	I	270°	1
82	I	270°	1
83	I	270°	1
84	K		1
85	K		1
86	K		1
87	K		1
88	K		hove to
89	K		1
90	K		1
91	K		½
92	K		1
93	K		1
94	K		1
95	K		stopped
96	K		stopped
97	I		stopped
98	I		stopped

Table 3 (cont.)

Record No.	Position	Heading	Speed (kts)
JHC 99	I		1
100	I		2
101	I		2
102	I		hove to
103	I		stopped
104	I		stopped
105	I		2
106	I		stopped
107	I		$1\frac{1}{2}$
108	I		$1\frac{1}{2}$
109	I		1
110	A		stationary
111	A		stopped
112	A		stopped
113	A		stopped
114	A		stopped
115	A		stopped
116	A		stopped
117	A		stopped
118	A		stopped
119	A		stopped
120	J		stopped
121	J		stopped
122	J		stopped
123	J		stopped
124	J		stopped
125	J		stopped
126	J		stopped
127	J		stopped
128	J		stopped
129	J		stopped
130	J		stopped
131	J	220°	2

Table 3 (cont.)

Record No.	Position	Heading	Speed (kts)
JHC 132	J		stopped
133	J	280°	1
134	J	280°	1
135	J		
136	J		
137	J		
138	J	260°	1
139	J	260°	1
140	J	270°	1
141	J	290°	1
142	J	290°	1
143	J	270°	2
144	J		
145	J		
146	J	260°	½
147	J	260°	1
148	J	220°	1½
149	J	260°	1
150	J	260°	1
151	J		
152	J	260°	1
153	J	260°	1
154	J	260°	1
155	J	260°	1
156	J	250°	4
157	J	245°	2
158	J	295°	2
159	J	295°	1½
160	J	300°	1½
161	J	280°	1½
162	J	270°	1½
163	J	250°	2
164	J	180°	5

Table 3 (cont.)

Record No.		Position	Heading	Speed (kts)
JHC	165	J		stopped
	166	J		hove to
	167	J		hove to
	168	J		hove to
	169	J		stopped
	170	J		stopped
	171	J		stopped
	172	J		stopped
	173	J		stopped
	174	J		stopped
	175	J		stopped
	176	J		
	177	J		1½
	178	J		stopped
	179	J		½
	180	J		stopped
	181	J		stopped
	182	J		stopped
	183	J		stopped
	184	J		stopped
	185	J		stopped
	186	J		stopped
	187	J		stopped
	188	J		stopped
	189	J		½
	190	J		1
	191	J		2
	192	J		½
	193	J		1

Record No.	Position	Heading	Speed (kts)
DL 61	J		stopped
62	J		stopped
63	J		stopped
64	J		stopped
65	J	220°	1
66	J		2½
67	J		2
68	J	260°	2
69	J	250°	2
70	J	245°	1
71	J	280°	2
72	J	260°	1
73	J	255°	1½
74	J	270°	1½
75	J		stopped
76	A	060°	2
77	A	060°	½
78	A	060°	1½
79	A	060°	2
80	A	060°	1
81	A	060°	1
82	A	060°	1½
83	A	060°	2
84	A	060°	1½
85	A	060°	1
86	A	060°	1½
87	K		stopped
88	K		stopped
89	K		stopped
90	K		stopped

Table 3 (cont.)

Record No.	Position	Heading	Speed (kts)
DL 91	K		stopped
92	K		stopped
93	K		stopped
94	K		stopped
95	K		stopped
96	K	360°	1
97	A		stopped
98	A		stopped
99	A	050°	3
100	A	050°	4
101	A		stopped
102	A		stopped
103	A		stopped
104	A		stopped
105	A		stopped
106	J	110°	2
107	J	110°	1
108	J	110°	1
109	J	110°	1
110	J	110°	$\frac{1}{2}$
111	J	120°	1
112	J	100°	1
113	J	270°	2
114	J	110°	1
115	J	110°	1
116	J	270°	1

Table 4. Data on short records for which less than 600 points were available.

Record No.	No. of points	Original TDF	Corrected TDF
JHC 004	580	246	238
JHC 008	480	200	160
JHC 009	490	301	246
JHC 010	560	210	196
JHC 013	510	162	138
JHC 015	520	314	272
JHC 016	520	371	322
JHC 017	480	169	135
JHC 020	540	273	246
JHC 023	560	195	182
JHC 028	540	217	195
JHC 029	570	235	223
JHC 033	560	220	205
JHC 034	560	241	225
JHC 035	590	223	219
JHC 037	440	186	136
JHC 038	550	211	193
JHC 040	570	237	225
JHC 042	530	188	166
JHC 043	440	189	138
JHC 045	560	150	140
JHC 046	410	251	171
JHC 051	580	198	191
JHC 052	570	221	210
JHC 053	510	208	177
JHC 054	530	202	178
JHC 056	590	270	265
JHC 060	550	181	166
JHC 061	540	252	227
JHC 062	480	256	205
JHC 063	430	242	174
JHC 064	450	219	164
JHC 065	560	226	211

Table 4 (cont.)

Record No.	No. of points	Original TDF	Corrected TDF
JHC 066	540	277	249
JHC 067	500	280	233
JHC 068	500	252	210
JHC 069	450	219	164
JHC 070	490	260	212
JHC 072	570	250	238
JHC 073	540	151	136
JHC 074	570	150	142
JHC 075	500	174	145
JHC 078	540	248	223
JHC 082	540	186	167
JHC 083	590	155	152
JHC 084	580	218	211
JHC 085	550	224	205
JHC 087	570	208	198
JHC 091	550	234	214
JHC 092	520	315	273
JHC 095	550	191	175
JHC 096	550	221	203
JHC 101	520	192	166
JHC 105	570	277	263
JHC 107	500	234	195
JHC 109	540	246	221
JHC 110	510	129	110
JHC 111	540	184	166
JHC 112	520	156	135
JHC 113	590	188	185
JHC 114	590	191	188
JHC 115	520	237	205
JHC 116	520	198	172
JHC 117	470	192	150
JHC 118	520	197	162

Table 4 (cont.)

Record No.	No. of points	Original TDF	Corrected TDF
JHC119	520	173	150
JHC 124	560	314	293
JHC 131	590	291	286
JHC 138	590	144	142
JHC 139	590	104	102
JHC 140	590	111	109
JHC 142	590	172	169
JHC 143	590	141	139
JHC 147	590	185	182
JHC 154	590	120	118
JHC 155	590	127	125
JHC 159	590	185	182
JHC 163	590	153	150
JHC 164	580	136	134
JHC 174	560	264	246
JHC 178	570	146	139
JHC 180	510	229	195
JHC 181	510	263	224
JHC 182	530	176	155
JHC 183	570	168	160
JHC 185	540	280	252
JHC 186	480	163	130
JHC 187	510	182	155
JHC 188	480	169	135

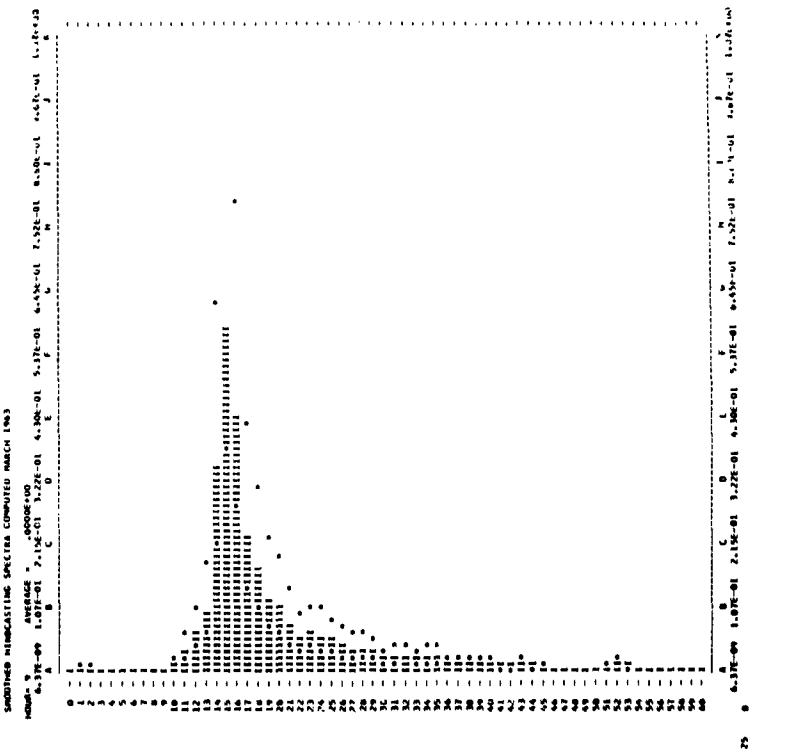
Table 4 (cont.)

Record No.	No. of points	Original TDF	Corrected TDF
DL 66	500	135	112
DL 67	500	129	107
DL 68	500	183	152
DL 69	500	117	97
DL 70	500	172	143
DL 94	590	146	144
DL 107	450	231	173
DL 112	500	206	172
DL 113	400	194	129
DL 114	500	189	157
DL 115	390	213	138

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 16/1/59 AV. T= 8.9 RECORD = 3L 44
HOUR = 9 SIG.HGT. = 6.8 UPPER HGT. = 7.6
TOTAL OF =105 CORR. VAR. = 2.9 LOWER HGT. = 6.1
NOISE LEVEL = .0015 WIND SPEED = 15

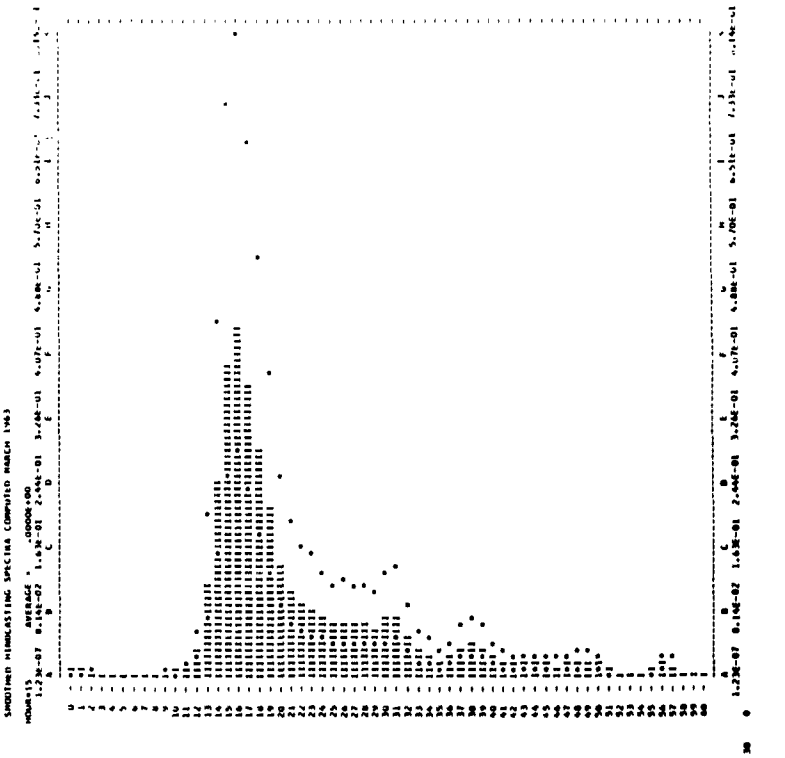
M	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0044	.0044	.0029	.0029	.0054	.0019
1	.006	.0059	.0059	.0040	.0040	.0074	.0026
2	.011	.0064	.0064	.0049	.0049	.0090	.0031
3	.017	.0039	.0039	.0024	.0024	.0044	.0015
4	.022	.0019	.0019	.0000	.0000	.0000	.0000
5	.028	.0012	.0012	.0000	.0000	.0000	.0000
6	.033	.0008	.0008	.0000	.0000	.0000	.0000
7	.039	.0011	.0011	.0000	.0000	.0000	.0000
8	.044	.0019	.0019	.0004	.0005	.0009	.0003
9	.050	.0029	.0029	.0016	.0016	.0029	.0010
10	.056	.0105	.0105	.0090	.0076	.0176	.0061
11	.061	.0339	.0339	.0324	.0336	.0620	.0214
12	.067	.0596	.0596	.0581	.0598	.1099	.0380
13	.072	.1000	.1000	.0985	.1011	.1863	.0644
14	.078	.3310	.3310	.3295	.3410	.6286	.2172
15	.083	.5560	.5560	.5545	.5830	1.0746	.3712
16	.089	.4080	.4080	.4065	.4322	.7967	.2752
17	.094	.2070	.2070	.2055	.2268	.4179	.1444
18	.100	.1490	.1490	.1475	.1619	.3045	.1069
19	.106	.1030	.1030	.1015	.1158	.2209	.0763
20	.111	.0869	.0869	.0854	.1049	.1933	.0668
21	.117	.0606	.0606	.0591	.0798	.1396	.0482
22	.122	.0389	.0389	.0374	.0502	.0926	.0320
23	.128	.0444	.0444	.0429	.0605	.1115	.0385
24	.133	.0409	.0409	.0394	.0586	.1080	.0373
25	.139	.0323	.0323	.0308	.0485	.0893	.0309
26	.144	.0267	.0267	.0252	.0421	.0775	.0268
27	.150	.0210	.0210	.0195	.0346	.0638	.0220
28	.156	.0210	.0210	.0195	.0369	.0680	.0235
29	.161	.0171	.0171	.0156	.0316	.0582	.0201
30	.167	.0095	.0095	.0080	.0174	.0320	.0111
31	.172	.0112	.0112	.0097	.0226	.0417	.0144
32	.178	.0116	.0116	.0101	.0256	.0466	.0162
33	.183	.0085	.0085	.0070	.0190	.0351	.0121
34	.189	.0098	.0098	.0083	.0245	.0451	.0156
35	.194	.0093	.0093	.0078	.0250	.0461	.0159
36	.200	.0055	.0055	.0040	.0140	.0258	.0089
37	.206	.0038	.0038	.0023	.0088	.0162	.0056
38	.211	.0041	.0041	.0026	.0109	.0200	.0069
39	.217	.0043	.0043	.0028	.0129	.0237	.0082
40	.222	.0035	.0034	.0019	.0097	.0180	.0062
41	.228	.0026	.0027	.0013	.0070	.0129	.0045
42	.233	.0027	.0028	.0013	.0079	.0145	.0050
43	.239	.0033	.0029	.0014	.0098	.0180	.0062
44	.244	.0026	.0024	.0010	.0073	.0134	.0046
45	.250	.0017	.0018	.0004	.0030	.0056	.0019
46	.256	.0016	.0016	.0001	.0013	.0023	.0008
47	.261	.0016	.0016	.0001	.0009	.0016	.0006
48	.267	.0015	.0015	.0000	.0001	.0002	.0001
49	.272	.0014	.0014	.0000	.0000	.0000	.0000
50	.278	.0014	.0014	.0000	.0000	.0000	.0000
51	.283	.0016	.0017	.0002	.0035	.0065	.0023
52	.289	.0022	.0020	.0005	.0103	.0190	.0066
53	.294	.0021	.0019	.0004	.0084	.0155	.0054
54	.300	.0011	.0013	.0000	.0000	.0000	.0000
55	.306	.0008	.0010	.0000	.0000	.0000	.0000
56	.311	.0013	.0013	.0000	.0000	.0000	.0000
57	.317	.0017	.0018	.0001	.0022	.0040	.0014
58	.322	.0015	.0018	.0002	.0004	.0000	.0002
59	.328	.0013	.0014	.0000	.0000	.0000	.0000
60	.333	.0014	.0014	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 16/1/59 AV. T= 7.7 RECORD = 3L 48
HOUR = 15 SIG.HGT. = 7.5 UPPER HGT. = 8.2
TOTAL OF =101 CORR. VAR. = 3.9 LOWER HGT. = 6.9
NOISE LEVEL = .0017 WIND SPEED = 25

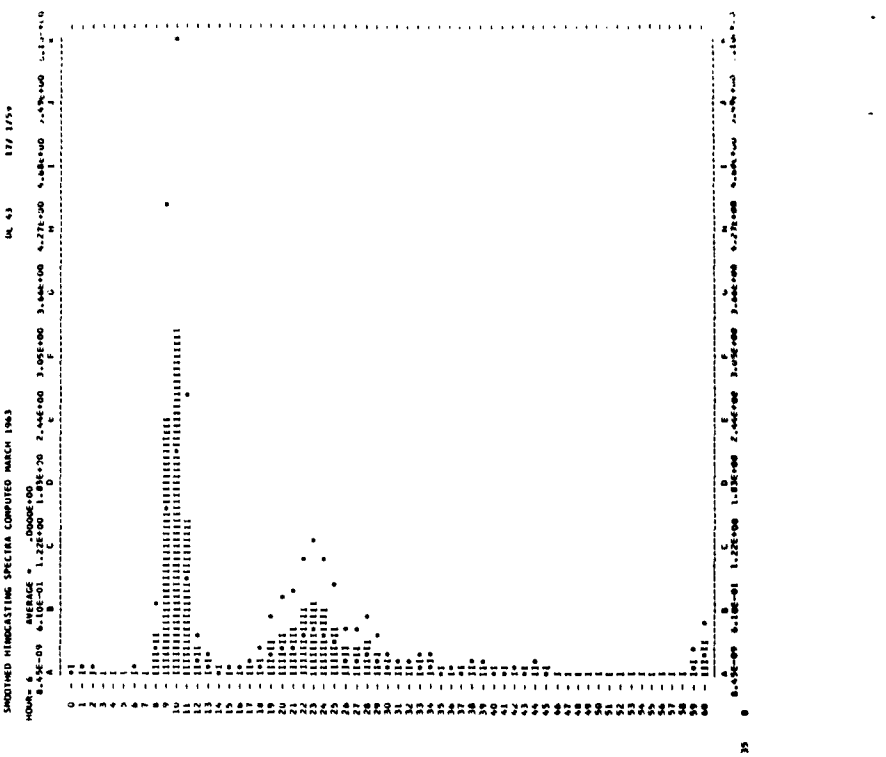
M	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.300	.0069	.0069	.0052	.0052	.0096	.0033
1	.006	.0062	.0062	.0045	.0045	.0084	.0029
2	.011	.0048	.0048	.0031	.0031	.0058	.0020
3	.017	.0034	.0034	.0017	.0017	.0032	.0011
4	.022	.0025	.0025	.0008	.0004	.0015	.0005
5	.028	.0024	.0024	.0007	.0007	.0014	.0005
6	.033	.0026	.0026	.0009	.0015	.0027	.0009
7	.039	.0026	.0026	.0009	.0012	.0023	.0008
8	.044	.0024	.0024	.0007	.0009	.0016	.0006
9	.050	.0044	.0044	.0027	.0030	.0056	.0019
10	.056	.0076	.0076	.0059	.0063	.0116	.0040
11	.061	.0093	.0093	.0076	.0079	.0146	.0050
12	.067	.0337	.0337	.0320	.0324	.0606	.0209
13	.072	.1110	.1110	.1093	.1122	.2068	.0714
14	.078	.2350	.2350	.2333	.2415	.4451	.1538
15	.083	.3740	.3740	.3723	.3915	.7215	.2495
16	.089	.4170	.4170	.4153	.4418	.8140	.2812
17	.094	.3350	.3350	.3333	.3678	.6779	.2342
18	.100	.2520	.2520	.2503	.2850	.5253	.1815
19	.106	.1780	.1780	.1763	.2082	.3837	.1326
20	.111	.1140	.1140	.1123	.1377	.2537	.0878
21	.117	.0857	.0840	.0857	.1077	.1985	.0686
22	.122	.0659	.0659	.0642	.0862	.1589	.0549
23	.128	.0600	.0600	.0583	.0823	.1517	.0524
24	.133	.0501	.0501	.0484	.0722	.1328	.0459
25	.139	.0421	.0421	.0404	.0638	.1172	.0405
26	.144	.0408	.0408	.0391	.0653	.1203	.0416
27	.150	.0371	.0371	.0354	.0628	.1158	.0400
28	.156	.0350	.0350	.0333	.0631	.1162	.0402
29	.161	.0305	.0305	.0288	.0583	.1075	.0371
30	.167	.0337	.0337	.0320	.0645	.1188	.0443
31	.172	.0338	.0338	.0321	.0749	.1381	.0477
32	.178	.0205	.0205	.0188	.0474	.0874	.0302
33	.183	.0136	.0136	.0117	.0319	.0588	.0203
34	.189	.0111	.0111	.0094	.0278	.0513	.0177
35	.194	.0073	.0075	.0058	.0180	.0333	.0115
36	.200	.0082	.0082	.0065	.0228	.0420	.0145
37	.206	.0108	.0108	.0091	.0348	.0641	.0222
38	.211	.0115	.0115	.0098	.0410	.0756	.0261
39	.217	.0091	.0091	.0074	.0361	.0665	.0217
40	.222	.0060	.0063	.0047	.0235	.0433	.0150
41	.228	.0062	.0065	.0029	.0160	.0298	.0102
42	.233	.0038	.0039	.0023	.0133	.0246	.0049
43	.239	.0039	.0038	.0021	.0144	.0265	.0092
44	.244	.0035	.0036	.0019	.0145	.0267	.0092
45	.250	.0036	.0032	.0016	.0134	.0247	.0085
46	.256	.0027	.0029	.0012	.0114	.0211	.0073
47	.261	.0027	.0029	.0012	.0131	.0241	.0083
48	.267	.0035	.0032	.0016	.0185	.0342	.0118
49	.272	.0032	.0031	.0015	.0199	.0366	.0126
50	.278	.0022	.0026	.0010	.0149	.0276	.0095
51	.283	.0020	.0020	.0003	.0053	.0097	.0034
52	.289	.0012	.0014	.0000	.0000	.0000	.0000
53	.294	.0013	.0013	.0000	.0000	.0000	.0000
54	.300	.0016	.0015	.0000	.0000	.0000	.0000
55	.306	.0017	.0018	.0002	.0046	.0084	.0029
56	.311	.0023	.0021	.0004	.0143	.0263	.0091
57	.317	.0021	.0020	.0003	.0117	.0215	.0074
58	.322	.0014	.0014	.0000	.0000	.0000	.0000
59	.328	.0014	.0014	.0000	.0000	.0000	.0000
60	.333	.0015	.0014	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 17/ 1/59 AV. Fo = 8.7 RECORD = DL 43
HOUR = 6 SIG.HGT. = 15.0 UPPER HGT. = 16.9
TOTAL DF = 91 CORR. VAR. = 14.0 LOWER HGT. = 13.1
NOISE LEVEL = .0074 WIND SPEED = 50

M	FRE. UNIT=FT.2 FILTERED -NOISE			CORR.FT.2	UPPER	LOWER
0	.000	.0483	.0483	.0379	.0379	.0699	.0241
1	.006	.0368	.0368	.0294	.0294	.0542	.0187
2	.011	.0252	.0252	.0178	.0178	.0328	.0113
3	.017	.0124	.0124	.0098	.0098	.0092	.0032
4	.022	.0199	.0199	.0121	.0121	.0223	.0077
5	.028	.0131	.0131	.0097	.0097	.0108	.0036
6	.033	.0293	.0293	.0170	.0282	.0520	.0180
7	.039	-.0172	-.0172	.0000	.0000	.0000	.0000
8	.044	.3200	.3200	.3126	.3723	.6861	.2370
9	.050	2.2131	2.2131	2.2057	2.4481	4.5122	1.5588
10	.056	3.1216	3.1216	3.1142	3.3104	6.1016	2.1079
11	.061	1.4000	1.4000	1.3926	1.4448	2.6638	.9200
12	.067	.2170	.2170	.2096	.2150	.3963	.1369
13	.072	.1190	.1190	.1116	.1165	.2111	.0729
14	.078	.0464	.0464	.0390	.0404	.0744	.0257
15	.083	.0340	.0340	.0266	.0280	.0516	.0178
16	.089	.0265	.0265	.0191	.0203	.0375	.0129
17	.094	.0345	.0345	.0471	.0520	.0958	.0331
18	.100	.1230	.1230	.1156	.1316	.2426	.0838
19	.106	.2670	.2670	.2596	.2829	.5214	.1801
20	.111	.3250	.3250	.3176	.3900	.7189	.2483
21	.117	.3390	.3390	.3316	.4250	.7834	.2706
22	.122	.4420	.4420	.4346	.5834	1.0753	.3715
23	.128	.4890	.4890	.4816	.6793	1.2521	.4325
24	.133	.4160	.4160	.4086	.6076	1.1200	.3869
25	.139	.2960	.2960	.2886	.4540	.8368	.2891
26	.144	.1670	.1670	.1596	.2329	.4293	.1483
27	.150	.1390	.1390	.1316	.2334	.4302	.1486
28	.156	.1630	.1630	.1556	.2944	.5426	.1874
29	.161	.1060	.1060	.0986	.1934	.3802	.1244
30	.167	.0590	.0590	.0516	.1120	.2065	.0713
31	.172	.0402	.0402	.0328	.0765	.1410	.0487
32	.178	.0341	.0341	.0267	.0672	.1239	.0428
33	.183	.0444	.0444	.0370	.1006	.1854	.0641
34	.189	.0402	.0402	.0328	.0967	.1783	.0616
35	.194	.0211	.0211	.0137	.0434	.0800	.0280
36	.200	.0146	.0146	.0072	.0252	.0464	.0160
37	.206	.0196	.0196	.0122	.0465	.0857	.0296
38	.211	.0214	.0214	.0140	.0584	.1077	.0372
39	.217	.0191	.0191	.0117	.0537	.0984	.0342
40	.222	.0167	.0163	.0089	.0450	.0830	.0287
41	.228	.0128	.0132	.0059	.0326	.0601	.0208
42	.233	.0107	.0121	.0047	.0290	.0534	.0184
43	.239	.0142	.0138	.0064	.0437	.0806	.0278
44	.244	.0161	.0143	.0069	.0526	.0969	.0335
45	.250	.0109	.0112	.0039	.0326	.0601	.0208
46	.256	.0071	.0083	.0009	.0026	.0158	.0055
47	.261	.0068	.0076	.0002	.0025	.0046	.0016
48	.267	.0072	.0072	.0000	.0000	.0000	.0000
49	.272	.0064	.0067	.0000	.0000	.0000	.0000
50	.278	.0069	.0069	.0000	.0000	.0000	.0000
51	.283	.0060	.0059	.0000	.0000	.0000	.0000
52	.289	.0048	.0056	.0000	.0000	.0000	.0000
53	.294	.0069	.0068	.0000	.0000	.0000	.0000
54	.300	.0084	.0077	.0004	.0080	.0166	.0057
55	.306	.0069	.0070	.0000	.0000	.0000	.0000
56	.311	.0057	.0059	.0000	.0000	.0000	.0000
57	.317	.0053	.0056	.0000	.0000	.0000	.0000
58	.322	.0060	.0069	.0000	.0000	.0000	.0000
59	.328	.0105	.0102	.0028	.1406	.2592	.0895
60	.333	.0138	.0121	.0048	.2755	.5079	.1754

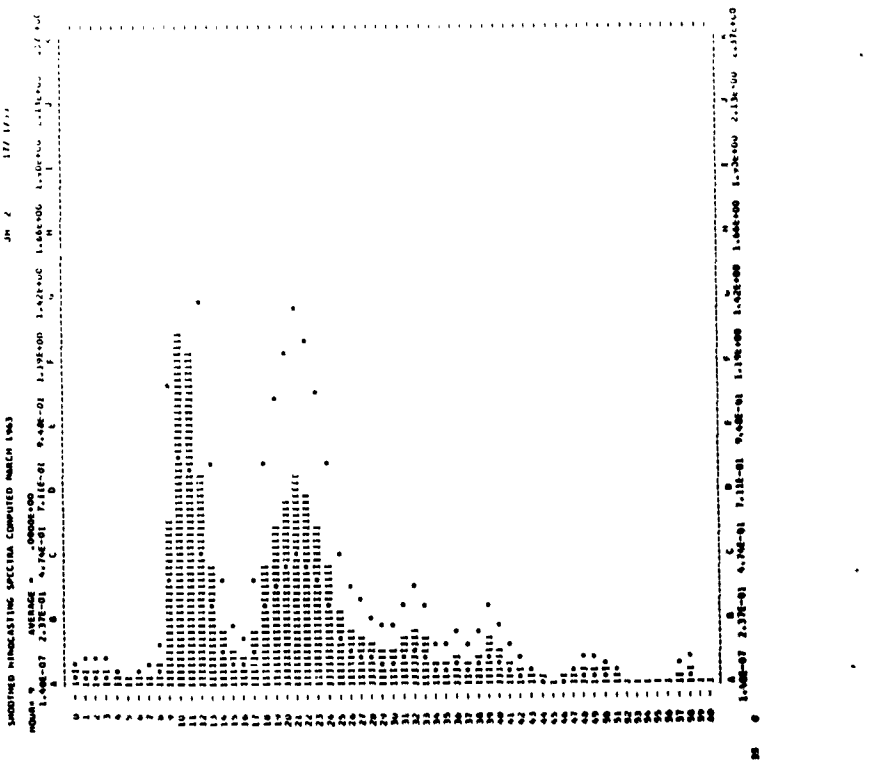


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SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 17/ 1/59 AV. Fo = 8.2 RECORD = JM 2
HOUR = 9 SIG.HGT. = 13.9 UPPER HGT. = 15.1
TOTAL DF =201 CORR. VAR. = 12.1 LOWER HGT. = 12.8
NOISE LEVEL = .0050 WIND SPEED = 55

M	FRE. UNIT=FT.2 FILTERED -NOISE			CORR.FT.2	UPPER	LOWER
0	.000	.0422	.0422	.0372	.0372	.0685	.0237
1	.006	.0509	.0509	.0459	.0459	.0845	.0292
2	.011	.0606	.0606	.0556	.0556	.1024	.0354
3	.017	.0510	.0510	.0460	.0460	.0847	.0293
4	.022	.0321	.0321	.0271	.0271	.0499	.0172
5	.028	.0240	.0240	.0190	.0190	.0350	.0121
6	.033	.0213	.0213	.0163	.0256	.0472	.0163
7	.039	.0315	.0315	.0265	.0391	.0648	.0224
8	.044	.0717	.0717	.0667	.0794	.1463	.0505
9	.050	.5391	.5391	.5361	.5928	1.0925	.3776
10	.056	1.2151	1.2151	1.2101	1.2863	2.3708	.8190
11	.061	1.1400	1.1800	1.1750	1.2190	2.2468	.7762
12	.067	.7490	.7490	.7440	.7631	1.4065	.4859
13	.072	.4320	.4320	.4270	.4381	.8076	.2789
14	.078	.1980	.1980	.1930	.1997	.3681	.1272
15	.083	.1170	.1170	.1120	.1177	.2170	.0750
16	.089	.0944	.0894	.0844	.0950	.1751	.0605
17	.094	.1060	.1860	.1810	.1997	.3680	.1271
18	.100	.3870	.3870	.3820	.4348	.8015	.2769
19	.106	.4840	.4840	.4790	.5654	1.0421	.3600
20	.111	.5400	.5400	.5350	.6569	1.2108	.4183
21	.117	.5910	.5910	.5860	.7510	1.3843	.4782
22	.122	.5100	.5100	.5050	.6779	1.2494	.4316
23	.128	.4150	.4150	.4100	.5783	1.0658	.3682
24	.133	.2960	.2960	.2910	.4327	.7975	.2755
25	.139	.1720	.1720	.1670	.2627	.4841	.1672
26	.144	.1240	.1240	.1190	.1985	.3658	.1264
27	.150	.0981	.0981	.0931	.1651	.3042	.1051
28	.156	.0758	.0758	.0708	.1339	.2467	.0852
29	.161	.0600	.0600	.0550	.1112	.2049	.0708
30	.167	.0596	.0596	.0546	.1184	.2183	.0754
31	.172	.0729	.0729	.0679	.1583	.2917	.1008
32	.178	.0829	.0829	.0779	.1960	.3612	.1248
33	.183	.0625	.0625	.0575	.1562	.2879	.0995
34	.189	.0368	.0368	.0258	.0760	.1400	.0484
35	.194	.0301	.0301	.0251	.0803	.1479	.0511
36	.200	.0344	.0344	.0294	.1025	.1889	.0653
37	.206	.0248	.0248	.0198	.0753	.1388	.0479
38	.211	.0304	.0304	.0254	.1058	.1950	.0674
39	.217	.0367	.0367	.0317	.1543	.2843	.0982
40	.222	.0277	.0276	.0226	.1137	.2097	.0724
41	.228	.0163	.0185	.0135	.0750	.1383	.0478
42	.233	.0138	.0134	.0083	.0513	.0946	.0327
43	.239	.0096	.0097	.0047	.0320	.0590	.0204
44	.244	.0059	.0067	.0017	.0128	.0236	.0082
45	.250	.0055	.0058	.0007	.0063	.0115	.0040
46	.256	.0062	.0064	.0014	.0129	.0238	.0082
47	.261	.0077	.0079	.0028	.0300	.0554	.0191
48	.267	.0099	.0092	.0041	.0492	.0906	.0313
49	.272	.0092	.0089	.0038	.0520	.0959	.0331
50	.278	.0076	.0078	.0027	.0418	.0762	.0263
51	.283	.0071	.0067	.0017	.0291	.0536	.0185
52	.289	.0053	.0053	.0003	.0061	.0112	.0039
53	.294	.0037	.0051	.0000	.0000	.0000	.0000
54	.300	.0039	.0036	.0000	.0000	.0000	.0000
55	.306	.0039	.0042	.0000	.0000	.0000	.0000
56	.311	.0048	.0049	.0000	.0000	.0000	.0000
57	.317	.0061	.0059	.0009	.0345	.0636	.0220
58	.322	.0068	.0062	.0012	.0505	.0931	.0322
59	.328	.0051	.0051	.0001	.0058	.0106	.0037
60	.333	.0036	.0043	.0000	.0000	.0000	.0000

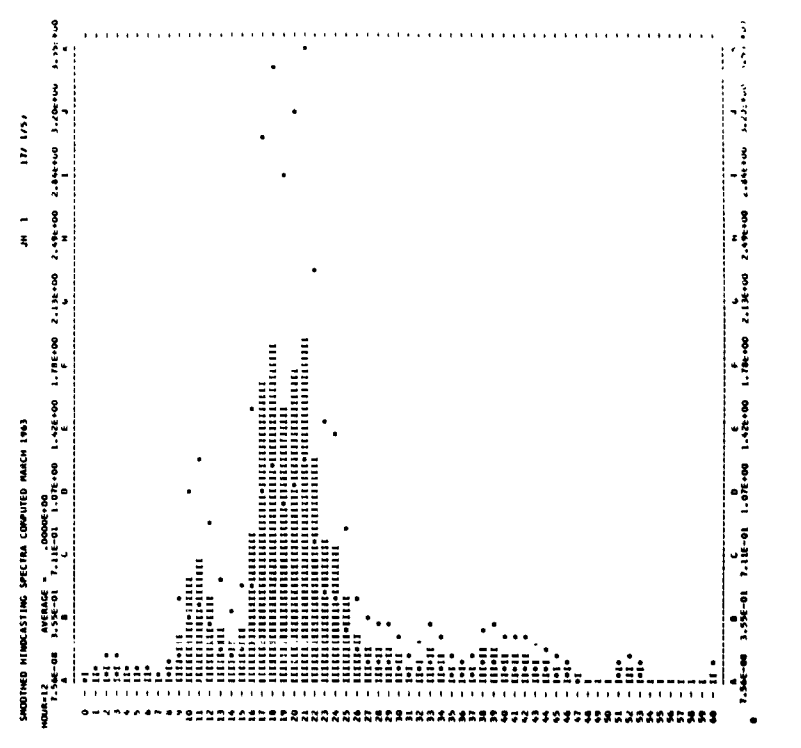


36

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 17/ 1/59 AV. T= 8.0 RECORD = JN 1
HOUR = 12 SIG.HGT. = 17.4 UPPER HGT. = 19.0
TOTAL OF =173 CORR. VAR. = 19.0 LOWER HGT. = 16.0
NOISE LEVEL = .0152 WIND SPEED = 35

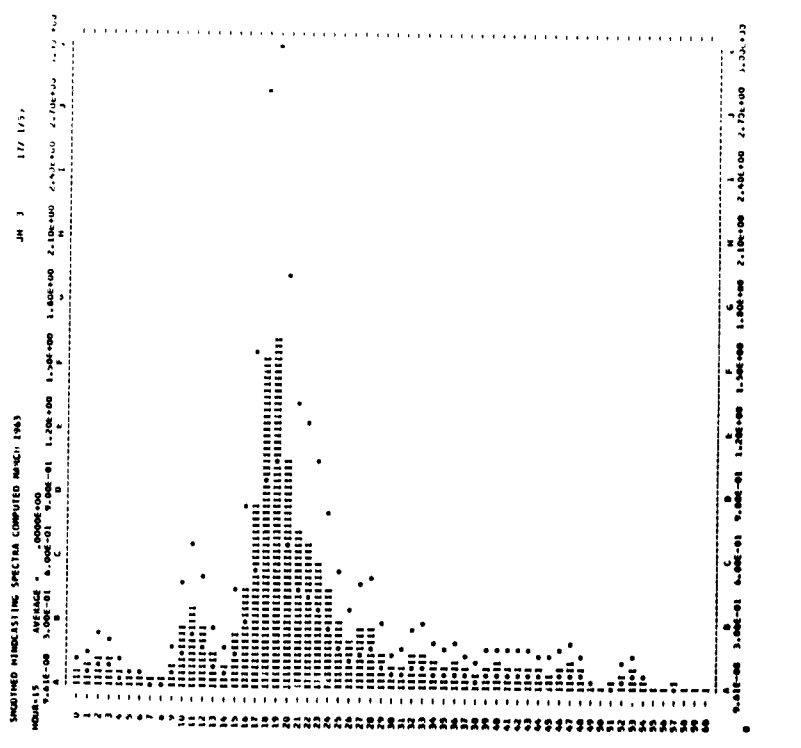
M	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0424	.0424	.0272	.0272	.0501	.0173
1	.006	.0563	.0563	.0411	.0411	.0757	.0261
2	.011	.0836	.0836	.0684	.0684	.1260	.0435
3	.017	.0830	.0830	.0678	.0678	.1249	.0432
4	.022	.0616	.0616	.0464	.0464	.0855	.0295
5	.028	.0546	.0546	.0396	.0396	.0726	.0251
6	.033	.0385	.0385	.0233	.0367	.0676	.0233
7	.039	.0265	.0265	.0113	.0150	.0276	.0095
8	.044	.0654	.0654	.0502	.0597	.1101	.0380
9	.050	.2380	.2380	.2228	.2672	.4587	.1574
10	.056	.5640	.5640	.5488	.8833	1.0752	.3714
11	.061	.6670	.6670	.6518	.6762	1.2464	.4306
12	.067	.4810	.4810	.4658	.4777	.8805	.3042
13	.072	.3080	.3080	.2928	.3006	.5536	.1913
14	.078	.2190	.2190	.2038	.2109	.3887	.1343
15	.083	.2930	.2930	.2778	.2920	.5383	.1860
16	.089	.7901	.7901	.7749	.8239	1.5186	.5246
17	.094	1.5236	1.5236	1.5084	1.6663	3.0676	1.0597
18	.100	1.6442	1.6442	1.6290	1.4772	3.4599	1.1953
19	.106	1.3190	1.3190	1.3038	1.3391	2.8368	.9800
20	.111	1.4304	1.4304	1.4152	1.7378	3.2031	1.1065
21	.117	1.5200	1.5200	1.5048	1.9287	3.5548	1.2281
22	.122	.9420	.9420	.9268	1.2461	2.2930	.7922
23	.128	.5760	.5760	.5608	.7910	1.4579	.5036
24	.133	.5190	.5190	.5038	.7492	1.3808	.4770
25	.139	.3090	.3090	.2938	.4621	.8518	.2943
26	.144	.1680	.1680	.1528	.2949	.4698	.1623
27	.150	.1230	.1230	.1078	.1911	.3523	.1217
28	.156	.1090	.1090	.0938	.1774	.3270	.1130
29	.161	.1030	.1030	.0878	.1775	.3272	.1130
30	.167	.0787	.0787	.0635	.1377	.2539	.0877
31	.172	.0491	.0491	.0339	.0790	.1456	.0503
32	.178	.0598	.0598	.0446	.1122	.2067	.0714
33	.183	.0774	.0774	.0622	.1690	.3115	.1076
34	.189	.0610	.0610	.0458	.1349	.2487	.0859
35	.194	.0402	.0402	.0250	.0799	.1473	.0509
36	.200	.0322	.0322	.0170	.0592	.1091	.0377
37	.206	.0358	.0358	.0206	.0783	.1444	.0499
38	.211	.0536	.0536	.0384	.1601	.2950	.1019
39	.217	.0517	.0517	.0365	.1671	.3080	.1064
40	.222	.0350	.0409	.0257	.1296	.2389	.0825
41	.228	.0421	.0400	.0248	.1379	.2541	.0878
42	.233	.0409	.0379	.0226	.1393	.2567	.0887
43	.239	.0276	.0311	.0159	.1084	.1998	.0690
44	.244	.0284	.0275	.0123	.0930	.1715	.0592
45	.250	.0256	.0250	.0097	.0823	.1518	.0524
46	.256	.0203	.0212	.0060	.0564	.1039	.0359
47	.261	.0186	.0176	.0024	.0250	.0462	.0159
48	.267	.0129	.0136	.0000	.0000	.0000	.0000
49	.272	.0100	.0117	.0000	.0000	.0000	.0000
50	.278	.0139	.0144	.0000	.0000	.0000	.0000
51	.283	.0198	.0185	.0033	.0562	.1035	.0358
52	.289	.0206	.0197	.0045	.0865	.1594	.0551
53	.294	.0178	.0179	.0027	.0587	.1082	.0374
54	.300	.0154	.0154	.0002	.0042	.0077	.0027
55	.306	.0130	.0133	.0000	.0000	.0000	.0000
56	.311	.0118	.0119	.0000	.0000	.0000	.0000
57	.317	.0109	.0115	.0000	.0000	.0000	.0000
58	.322	.0125	.0109	.0000	.0000	.0000	.0000
59	.328	.0157	.0151	.0000	.0000	.0000	.0000
60	.333	.0165	.0161	.0009	.0502	.0928	.0320



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 17/ 1/59 AV. T= 7.5 RECORD = JN 3
HOUR = 15 SIG.HGT. = 14.5 UPPER HGT. = 15.4
TOTAL OF =187 CORR. VAR. = 13.2 LOWER HGT. = 13.6
NOISE LEVEL = .0119 WIND SPEED = 35

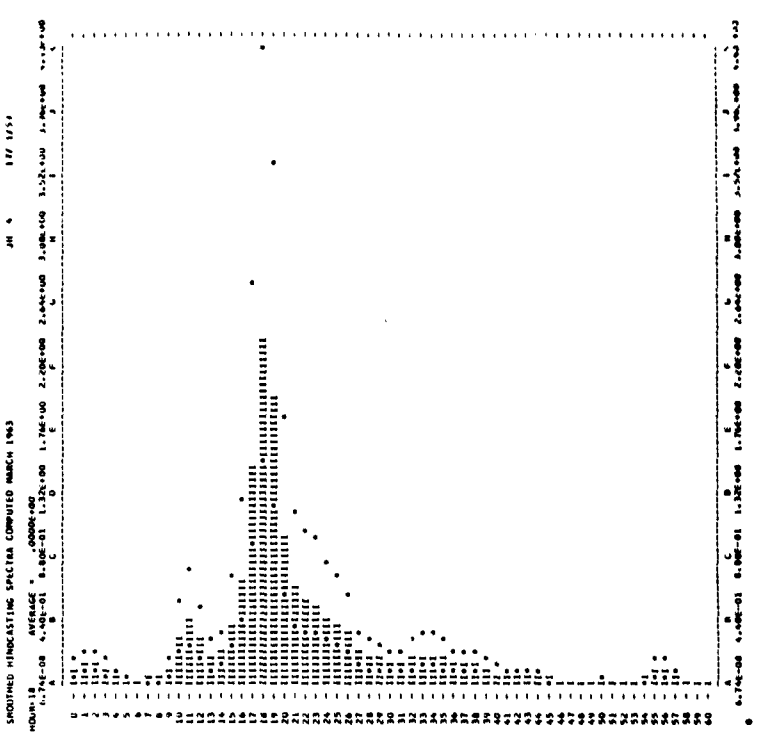
M	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0830	.0830	.0711	.0711	.1311	.0453
1	.006	.1010	.1010	.0891	.0891	.1643	.0568
2	.011	.1350	.1350	.1231	.1231	.2270	.0784
3	.017	.1320	.1320	.1201	.1201	.2214	.0765
4	.022	.0793	.0793	.0674	.0674	.1243	.0429
5	.028	.0414	.0414	.0295	.0295	.0544	.0188
6	.033	.0343	.0343	.0224	.0354	.0652	.0225
7	.039	.0249	.0249	.0130	.0173	.0319	.0110
8	.044	.0316	.0316	.0197	.0235	.0433	.0150
9	.050	.1020	.1020	.0901	.1000	.1844	.0637
10	.056	.2950	.2950	.2431	.2584	.4766	.1646
11	.061	.3590	.3590	.3471	.3602	.6638	.2293
12	.067	.2790	.2790	.2671	.2740	.5050	.1745
13	.072	.1470	.1470	.1351	.1387	.2556	.0883
14	.078	.1110	.1110	.0991	.1026	.1891	.0653
15	.083	.2400	.2400	.2281	.2399	.4421	.1527
16	.089	.4450	.4450	.4331	.4606	.8489	.2933
17	.094	.7765	.7765	.7646	.8437	1.9551	.5372
18	.100	1.3627	1.3627	1.3308	1.5150	2.7924	.9647
19	.106	1.3900	1.3900	1.3781	1.6269	2.9986	1.0359
20	.111	.8640	.8640	.8521	1.0464	1.9287	.6663
21	.117	.5720	.5720	.5601	.7179	1.3233	.4571
22	.122	.5040	.5040	.4921	.6606	1.2177	.4207
23	.128	.4110	.4110	.3991	.5630	1.0377	.3585
24	.133	.3100	.3100	.2981	.4434	.8172	.2823
25	.139	.1960	.1960	.1841	.2697	.4539	.1864
26	.144	.1300	.1300	.1181	.1971	.3633	.1255
27	.150	.1560	.1560	.1441	.2556	.4712	.1628
28	.156	.1600	.1600	.1481	.2803	.5165	.1785
29	.161	.0926	.0926	.0807	.1633	.3010	.1040
30	.167	.0676	.0476	.0357	.0778	.1430	.0494
31	.172	.0566	.0566	.0445	.1039	.1915	.0661
32	.178	.0727	.0727	.0606	.1331	.2452	.0975
33	.183	.0690	.0690	.0571	.1253	.2863	.0989
34	.189	.0498	.0498	.0379	.1118	.2061	.0712
35	.194	.0437	.0437	.0318	.1019	.1879	.0649
36	.200	.0424	.0424	.0305	.1066	.1964	.0787
37	.206	.0337	.0337	.0218	.0832	.1533	.0530
38	.211	.0273	.0273	.0154	.0644	.1187	.0410
39	.217	.0324	.0324	.0205	.0941	.1735	.0599
40	.222	.0354	.0328	.0210	.1057	.1948	.0673
41	.228	.0281	.0298	.0180	.1001	.1844	.0637
42	.233	.0278	.0276	.0157	.0968	.1785	.0616
43	.239	.0267	.0258	.0140	.0954	.1759	.0608
44	.244	.0222	.0228	.0109	.0828	.1526	.0527
45	.250	.0200	.0206	.0088	.0761	.1365	.0472
46	.256	.0203	.0214	.0095	.0849	.1656	.0572
47	.261	.0249	.0226	.0108	.1141	.2104	.0727
48	.267	.0203	.0150	.0032	.0891	.1569	.0542
49	.272	.0112	.0112	.0008	.0512	.0207	.0072
50	.278	.0099	.0108	.0000	.0000	.0000	.0000
51	.283	.0133	.0131	.0012	.0212	.0390	.0135
52	.289	.0159	.0153	.0035	.0675	.1245	.0430
53	.294	.0163	.0153	.0035	.0761	.1405	.0486
54	.300	.0128	.0129	.0011	.0273	.0504	.0174
55	.306	.0099	.0110	.0000	.0000	.0000	.0000
56	.311	.0116	.0116	.0000	.0000	.0000	.0000
57	.317	.0134	.0123	.0004	.0156	.0288	.0100
58	.322	.0107	.0107	.0000	.0000	.0000	.0000
59	.328	.0080	.0085	.0000	.0000	.0000	.0000
60	.333	.0074	.0077	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 17/ 1/59 AV. T= 8.0 RECORD = JH 4
HOUR = 18 SIG.HGT. = 15.7 UPPER HGT. = 17.3
TOTAL DF =191 CORR. VAR. = 15.5 LOWER HGT. = 14.3
NOISE LEVEL = .0003 WIND SPEED = 35

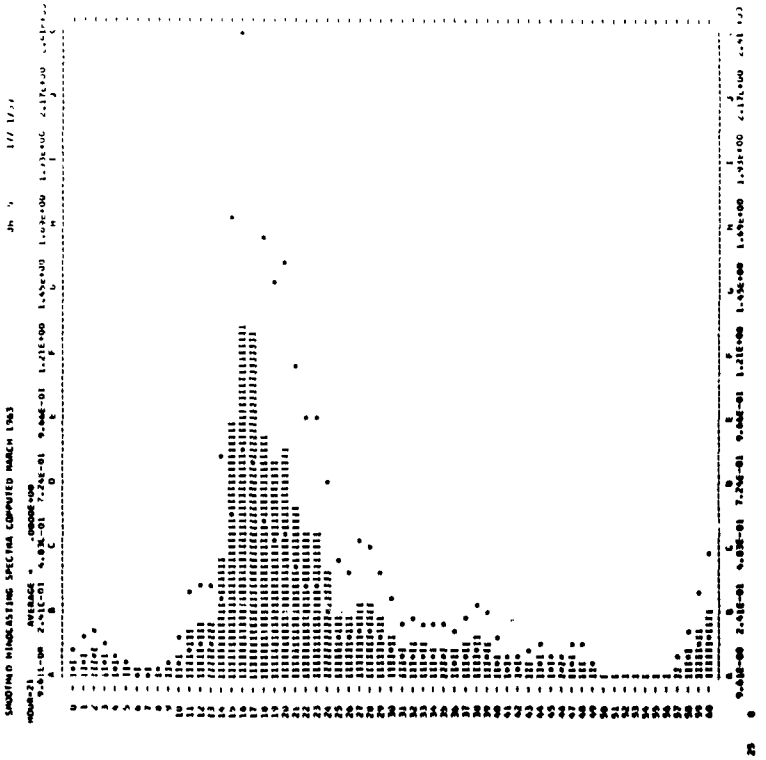
M	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0990	.0990	.0887	.0887	.1980	.0648
1	.006	.1280	.1280	.1187	.1187	.2188	.0756
2	.011	.1360	.1360	.1267	.1267	.2336	.0807
3	.017	.1010	.1010	.0917	.0917	.1691	.0584
4	.022	.0684	.0684	.0591	.0591	.1090	.0377
5	.028	.0312	.0312	.0219	.0219	.0404	.0140
6	.033	.0164	.0164	.0071	.0112	.0207	.0072
7	.039	.0088	.0088	.0102	.0055	.0471	.0163
8	.044	.0336	.0336	.0243	.0290	.0534	.0184
9	.050	.1028	.1028	.0927	.1029	.1897	.0656
10	.056	.3080	.3080	.2987	.5176	.9853	.3022
11	.061	.4210	.4210	.4117	.4872	.7873	.2720
12	.067	.2970	.2970	.2877	.2981	.5660	.1878
13	.072	.1610	.1610	.1517	.1597	.2869	.0991
14	.078	.2090	.2090	.1997	.2026	.3734	.1290
15	.083	.4010	.4010	.3917	.4119	.7591	.2623
16	.089	.6983	.6983	.6890	.6901	1.2720	.4394
17	.094	1.3687	1.3687	1.3594	1.5000	2.7647	.9551
18	.100	2.1078	2.1078	2.0977	2.3881	4.4015	1.5206
19	.106	1.6790	1.6790	1.6687	1.9688	3.6139	1.2483
20	.111	.8290	.8290	.8187	1.0017	1.8463	.6378
21	.117	.5190	.5190	.5097	.6482	1.1947	.4127
22	.122	.4328	.4328	.4227	.5675	1.0459	.3613
23	.128	.3990	.3990	.3897	.5441	1.0028	.3464
24	.133	.3198	.3198	.3097	.4547	.8380	.2895
25	.139	.2700	.2700	.2607	.4102	.7560	.2612
26	.144	.2100	.2100	.2007	.3349	.6173	.2132
27	.150	.1220	.1220	.1127	.1999	.3685	.1273
28	.156	.0988	.0988	.0892	.1688	.3111	.1075
29	.161	.0855	.0855	.0762	.1542	.2842	.0982
30	.167	.0604	.0604	.0511	.1110	.2045	.0707
31	.172	.0613	.0613	.0520	.1213	.2237	.0773
32	.178	.0777	.0777	.0684	.1722	.3175	.1097
33	.183	.0790	.0790	.0697	.1895	.3494	.1207
34	.189	.0715	.0715	.0622	.1835	.3381	.1168
35	.194	.0593	.0593	.0500	.1602	.2953	.1020
36	.200	.0458	.0458	.0365	.1275	.2350	.0812
37	.206	.0388	.0388	.0295	.1125	.2073	.0716
38	.211	.0393	.0393	.0300	.1253	.2309	.0798
39	.217	.0324	.0324	.0231	.1060	.1954	.0675
40	.222	.0198	.0216	.0123	.0622	.1146	.0396
41	.228	.0144	.0161	.0069	.0381	.0703	.0243
42	.233	.0159	.0160	.0067	.0413	.0760	.0263
43	.239	.0177	.0167	.0074	.0507	.0934	.0323
44	.244	.0153	.0151	.0058	.0440	.0812	.0280
45	.250	.0116	.0123	.0030	.0254	.0469	.0162
46	.256	.0104	.0102	.0010	.0090	.0167	.0058
47	.261	.0085	.0088	.0000	.0000	.0000	.0000
48	.267	.0078	.0087	.0000	.0000	.0000	.0000
49	.272	.0106	.0099	.0007	.0091	.0168	.0058
50	.278	.0108	.0102	.0010	.0144	.0266	.0092
51	.283	.0097	.0092	.0000	.0000	.0000	.0000
52	.289	.0085	.0088	.0000	.0000	.0000	.0000
53	.294	.0095	.0093	.0001	.0013	.0023	.0008
54	.300	.0098	.0104	.0012	.0297	.0547	.0189
55	.306	.0127	.0122	.0029	.0840	.1549	.0535
56	.311	.0136	.0124	.0031	.1028	.1895	.0655
57	.317	.0097	.0102	.0010	.0370	.0682	.0236
58	.322	.0080	.0080	.0000	.0000	.0000	.0000
59	.328	.0065	.0064	.0000	.0000	.0000	.0000
60	.333	.0047	.0056	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 17/ 1/59 AV. T= 7.1 RECORD = JH 5
HOUR = 21 SIG.HGT. = 14.9 UPPER HGT. = 15.7
TOTAL DF =204 CORR. VAR. = 13.1 LOWER HGT. = 13.3
NOISE LEVEL = .0103 WIND SPEED = 30

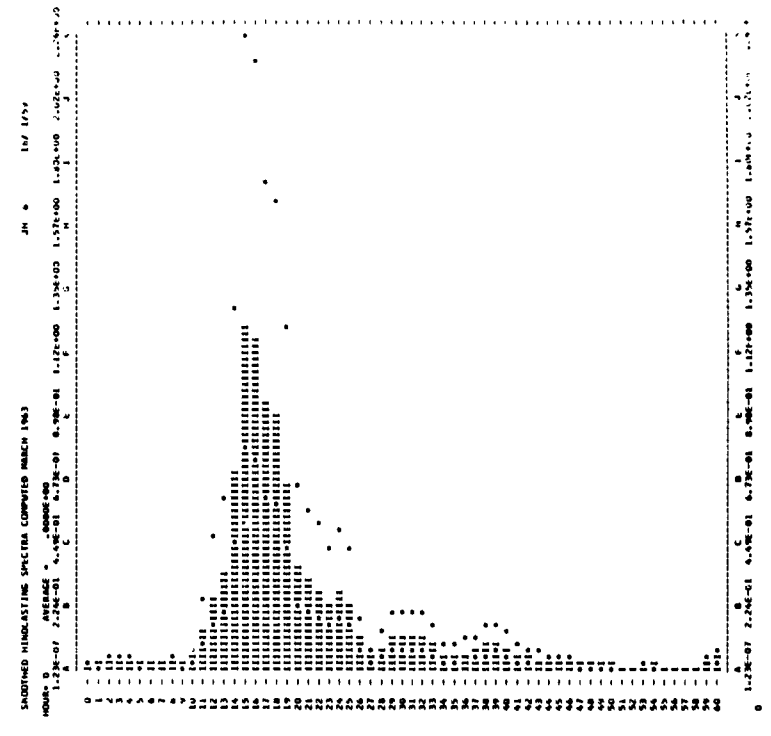
M	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0580	.0580	.0477	.0477	.0880	.0304
1	.006	.0884	.0884	.0781	.0781	.1440	.0498
2	.011	.1060	.1060	.0957	.0957	.1765	.0610
3	.017	.0752	.0752	.0649	.0649	.1197	.0414
4	.022	.0521	.0521	.0418	.0418	.0771	.0266
5	.028	.0338	.0338	.0235	.0235	.0434	.0150
6	.033	.0215	.0215	.0112	.0177	.0326	.0113
7	.039	.0210	.0210	.0107	.0143	.0263	.0091
8	.044	.0200	.0200	.0097	.0118	.0214	.0074
9	.050	.0340	.0340	.0237	.0264	.0486	.0168
10	.056	.0851	.0851	.0748	.0798	.1466	.0507
11	.061	.1700	.1700	.1597	.1657	.3055	.1055
12	.067	.1900	.1900	.1797	.1844	.3398	.1174
13	.072	.1910	.1910	.1807	.1854	.3418	.1181
14	.078	.4410	.4410	.4307	.4458	.8217	.2839
15	.083	.8981	.8981	.8878	.9335	1.7205	.5944
16	.089	1.2425	1.2425	1.2322	1.3102	2.4150	.8343
17	.094	1.1600	1.1600	1.1497	1.2686	2.3383	.8078
18	.100	.7970	.7970	.7867	.8956	1.6508	.5703
19	.106	.6920	.6920	.6817	.8048	1.4834	.5124
20	.111	.6910	.6910	.6807	.8360	1.5408	.5323
21	.117	.5040	.5040	.4937	.6328	1.1664	.4029
22	.122	.4050	.4050	.3947	.5299	.9767	.3374
23	.128	.3820	.3820	.3717	.4943	.9864	.3339
24	.133	.2750	.2750	.2647	.3937	.7256	.2507
25	.139	.1610	.1610	.1507	.2371	.4371	.1510
26	.144	.1360	.1360	.1257	.2048	.3867	.1336
27	.150	.1430	.1430	.1327	.2709	.4993	.1724
28	.156	.1480	.1480	.1377	.2606	.4803	.1659
29	.161	.1170	.1170	.1067	.2159	.3980	.1375
30	.167	.0817	.0817	.0716	.1551	.2858	.0987
31	.172	.0566	.0566	.0463	.1081	.1992	.0688
32	.178	.0589	.0589	.0482	.1214	.2238	.0773
33	.183	.0512	.0512	.0409	.1113	.2051	.0709
34	.189	.0447	.0447	.0344	.1015	.1871	.0647
35	.194	.0426	.0426	.0323	.1036	.1909	.0659
36	.200	.0373	.0373	.0270	.0946	.1739	.0601
37	.206	.0410	.0410	.0307	.1171	.2158	.0746
38	.211	.0454	.0454	.0351	.1466	.2702	.0935
39	.217	.0381	.0381	.0278	.1276	.2352	.0812
40	.222	.0265	.0268	.0165	.0834	.1537	.0531
41	.228	.0181	.0184	.0082	.0496	.0890	.0290
42	.233	.0191	.0186	.0084	.0393	.0725	.0250
43	.239	.0203	.0188	.0085	.0581	.1071	.0370
44	.244	.0194	.0183	.0081	.0612	.1128	.0390
45	.250	.0162	.0154	.0052	.0439	.0809	.0279
46	.256	.0160	.0148	.0046	.0431	.0795	.0275
47	.261	.0171	.0161	.0058	.0615	.1134	.0392
48	.267	.0161	.0153	.0051	.0602	.1109	.0383
49	.272	.0128	.0122	.0020	.0288	.0491	.0170
50	.278	.0089	.0089	.0000	.0000	.0000	.0000
51	.283	.0095	.0095	.0000	.0000	.0000	.0000
52	.289	.0100	.0094	.0000	.0000	.0000	.0000
53	.294	.0083	.0083	.0000	.0000	.0000	.0000
54	.300	.0065	.0069	.0000	.0000	.0000	.0000
55	.306	.0064	.0072	.0000	.0000	.0000	.0000
56	.311	.0097	.0093	.0000	.0000	.0000	.0000
57	.317	.0115	.0112	.0089	.0355	.0655	.0226
58	.322	.0121	.0124	.0102	.0951	.1753	.0606
59	.328	.0161	.0138	.0035	.1760	.3245	.1121
60	.333	.0168	.0144	.0042	.2427	.4473	.1545



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 18/ 1/59 AV. T= 8.3 RECORD = JH 6
HOUR = 0 SIG.HGT. = 12.5 UPPER HGT. = 13.7
TOTAL OF =191 CORR. VAR. = 9.7 LOWER HGT. = 11.4
NOISE LEVEL = .0045 WIND SPEED = 25

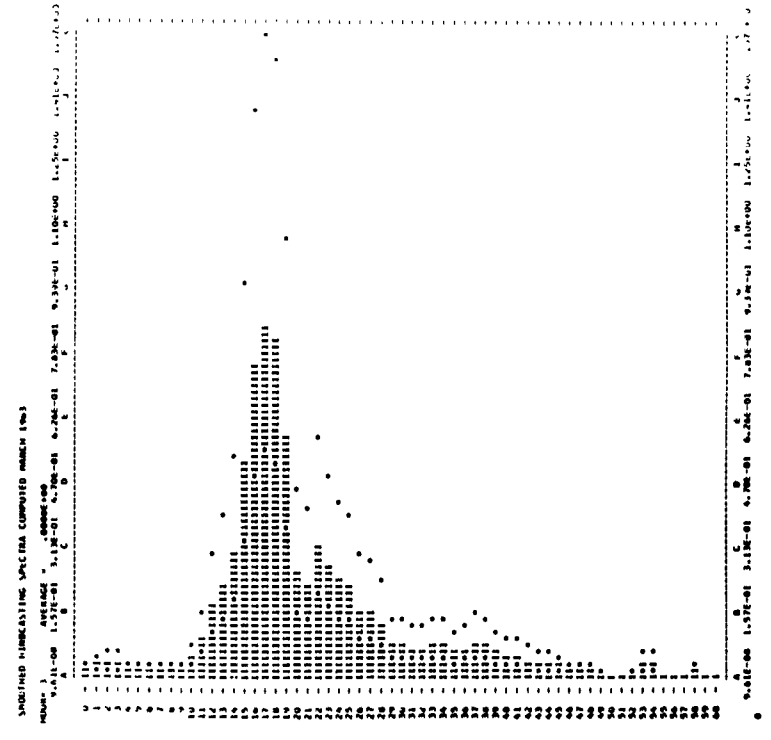
H	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0129	.0129	.0084	.0084	.0155	.0053
1	.006	.0196	.0196	.0151	.0151	.0278	.0096
2	.011	.0318	.0318	.0273	.0273	.0503	.0174
3	.017	.0339	.0339	.0294	.0294	.0542	.0187
4	.022	.0256	.0256	.0211	.0211	.0389	.0134
5	.028	.0185	.0185	.0140	.0140	.0258	.0089
6	.033	.0198	.0198	.0113	.0178	.0328	.0113
7	.039	.0181	.0181	.0136	.0181	.0333	.0115
8	.044	.0238	.0238	.0193	.0230	.0424	.0146
9	.050	.0190	.0190	.0145	.0161	.0297	.0102
10	.056	.0377	.0377	.0332	.0353	.0650	.0225
11	.061	.1390	.1390	.1345	.1395	.2572	.0889
12	.067	.2490	.2490	.2445	.2508	.4622	.1597
13	.072	.3230	.3230	.3185	.3268	.6023	.2081
14	.078	.6780	.6780	.6735	.6971	1.2848	.4439
15	.083	1.1629	1.1629	1.1584	1.2179	2.2448	.7755
16	.089	1.1000	1.1000	1.0955	1.1648	2.1470	.7417
17	.094	.8540	.8540	.8495	.9375	1.7277	.5968
18	.100	.7970	.7970	.7928	.9022	1.6629	.5745
19	.106	.8590	.8590	.8545	.9546	1.7065	.4168
20	.111	.2940	.2940	.2898	.3555	.6353	.2264
21	.117	.2430	.2430	.2385	.3097	.5634	.1946
22	.122	.2120	.2120	.2075	.2785	.5134	.1774
23	.128	.1700	.1700	.1655	.2334	.4303	.1486
24	.133	.1850	.1850	.1805	.2686	.4947	.1709
25	.139	.1320	.1320	.1475	.2320	.4277	.1477
26	.144	.0694	.0694	.0409	.1016	.1873	.0647
27	.150	.0277	.0277	.0232	.0411	.0758	.0262
28	.156	.0448	.0448	.0400	.0797	.1395	.0482
29	.161	.0578	.0578	.0533	.1078	.1987	.0687
30	.167	.0538	.0538	.0493	.1070	.1972	.0681
31	.172	.0527	.0527	.0482	.1124	.2072	.0716
32	.178	.0483	.0483	.0438	.1102	.2032	.0702
33	.183	.0390	.0390	.0305	.0824	.1928	.0548
34	.189	.0214	.0214	.0169	.0498	.0918	.0317
35	.194	.0181	.0181	.0136	.0435	.0803	.0277
36	.200	.0204	.0204	.0159	.0555	.1023	.0353
37	.206	.0212	.0212	.0167	.0636	.1172	.0405
38	.211	.0261	.0261	.0196	.0818	.1507	.0521
39	.217	.0238	.0238	.0193	.0884	.1630	.0563
40	.222	.0177	.0181	.0136	.0687	.1266	.0437
41	.228	.0133	.0140	.0095	.0528	.0974	.0336
42	.233	.0117	.0114	.0069	.0424	.0782	.0270
43	.239	.0089	.0092	.0047	.0321	.0591	.0204
44	.244	.0073	.0080	.0025	.0267	.0493	.0170
45	.250	.0086	.0079	.0034	.0292	.0537	.0186
46	.256	.0073	.0071	.0026	.0246	.0453	.0156
47	.261	.0052	.0098	.0013	.0140	.0258	.0089
48	.267	.0056	.0055	.0010	.0119	.0219	.0076
49	.272	.0056	.0055	.0010	.0134	.0246	.0085
50	.278	.0052	.0052	.0008	.0113	.0209	.0072
51	.283	.0050	.0048	.0003	.0091	.0094	.0033
52	.289	.0040	.0045	.0000	.0000	.0000	.0000
53	.294	.0050	.0049	.0004	.0094	.0172	.0060
54	.300	.0057	.0058	.0005	.0125	.0231	.0080
55	.306	.0036	.0039	.0000	.0000	.0000	.0000
56	.311	.0028	.0033	.0000	.0000	.0000	.0000
57	.317	.0041	.0039	.0000	.0000	.0000	.0000
58	.322	.0045	.0045	.0000	.0000	.0000	.0000
59	.328	.0049	.0044	.0000	.0225	.0415	.0143
60	.333	.0055	.0052	.0007	.0405	.0747	.0258



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 18//1/59 AV. T= 7.9 RECORD = JH 7
HOUR = 3 SIG.HGT. = 11.0 UPPER HGT. = 12.0
TOTAL OF =178 CORR. VAR. = 7.6 LOWER HGT. = 10.1
NOISE LEVEL = .0041 WIND SPEED = 20

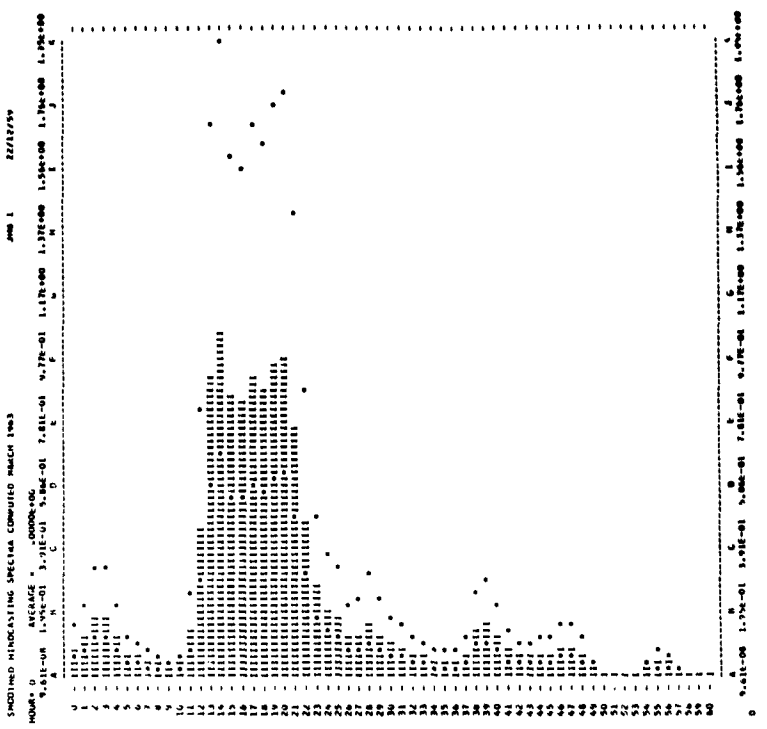
H	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0171	.0171	.0130	.0130	.0240	.0083
1	.006	.0289	.0289	.0248	.0248	.0457	.0158
2	.011	.0409	.0409	.0368	.0368	.0679	.0234
3	.017	.0343	.0343	.0302	.0302	.0557	.0192
4	.022	.0252	.0252	.0211	.0211	.0389	.0134
5	.028	.0200	.0200	.0159	.0159	.0293	.0101
6	.033	.0165	.0165	.0124	.0196	.0361	.0125
7	.039	.0182	.0182	.0141	.0187	.0344	.0119
8	.044	.0153	.0153	.0112	.0134	.0246	.0085
9	.050	.0197	.0197	.0156	.0173	.0320	.0110
10	.056	.0445	.0445	.0404	.0430	.0792	.0274
11	.061	.0896	.0896	.0855	.0887	.1635	.0565
12	.067	.1650	.1650	.1609	.1651	.3042	.1051
13	.072	.2130	.2130	.2089	.2144	.3951	.1365
14	.078	.2860	.2860	.2819	.2918	.5378	.1858
15	.083	.4980	.4980	.4909	.5162	.9513	.3287
16	.089	.7110	.7110	.7069	.7917	1.3894	.4786
17	.094	.7740	.7740	.7699	.8495	1.5658	.5409
18	.100	.7190	.7190	.7169	.8139	1.5001	.5182
19	.106	.4920	.4920	.4879	.5760	1.0816	.3868
20	.111	.2090	.2090	.2009	.2467	.4548	.1571
21	.117	.1760	.1760	.1719	.2203	.4061	.1403
22	.122	.2390	.2390	.2369	.3134	.5812	.2008
23	.128	.1900	.1900	.1899	.2522	.4833	.1670
24	.133	.1600	.1600	.1599	.2319	.4274	.1478
25	.139	.1410	.1410	.1369	.2194	.3970	.1371
26	.144	.0983	.0983	.0962	.1572	.2897	.1001
27	.150	.0882	.0882	.0841	.1492	.2750	.0950
28	.156	.0701	.0701	.0660	.1249	.2302	.0795
29	.161	.0495	.0495	.0394	.0797	.1470	.0508
30	.167	.0375	.0375	.0334	.0725	.1337	.0462
31	.172	.0330	.0330	.0289	.0676	.1263	.0429
32	.178	.0316	.0316	.0275	.0693	.1277	.0441
33	.183	.0336	.0336	.0295	.0802	.1479	.0511
34	.189	.0301	.0301	.0260	.0767	.1414	.0488
35	.194	.0220	.0220	.0179	.0574	.1058	.0365
36	.200	.0231	.0231	.0190	.0644	.1223	.0423
37	.206	.0253	.0253	.0212	.0808	.1490	.0515
38	.211	.0216	.0216	.0175	.0731	.1347	.0465
39	.217	.0164	.0164	.0123	.0565	.1041	.0359
40	.222	.0139	.0144	.0103	.0521	.0961	.0332
41	.228	.0135	.0126	.0088	.0477	.0878	.0303
42	.233	.0097	.0104	.0063	.0387	.0714	.0247
43	.239	.0086	.0090	.0049	.0337	.0622	.0215
44	.244	.0092	.0089	.0046	.033.	.0618	.0213
45	.250	.0070	.0071	.0030	.0257	.0474	.0164
46	.256	.0053	.0059	.0018	.0170	.0312	.0108
47	.261	.0059	.0057	.0017	.0177	.0326	.0112
48	.267	.0059	.0055	.0014	.0172	.0316	.0109
49	.272	.0044	.0048	.0008	.0076	.0140	.0049
50	.278	.0039	.0039	.0000	.0000	.0000	.0000
51	.283	.0033	.0036	.0000	.0000	.0000	.0000
52	.289	.0040	.0043	.0002	.0047	.0087	.0030
53	.294	.0060	.0055	.0014	.0312	.0576	.0199
54	.300	.0060	.0053	.0012	.0312	.0575	.0199
55	.306	.0033	.0037	.0000	.0000	.0000	.0000
56	.311	.0022	.0030	.0000	.0000	.0000	.0000
57	.317	.0043	.0040	.0000	.0000	.0000	.0000
58	.322	.0051	.0045	.0004	.0193	.0356	.0124
59	.328	.0036	.0037	.0000	.0000	.0000	.0000
60	.333	.0026	.0031	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 22/12/59 AV. T= 8.3 RECORD = JAB 1
HOUR = 0 SIG.HGT. = 14.4 UPPER HGT. = 15.6
TOTAL DF =100 CORR. VAR. = 12.9 LOWER HGT. = 13.2
NOISE LEVEL = .0060 WIND SPEED = 0

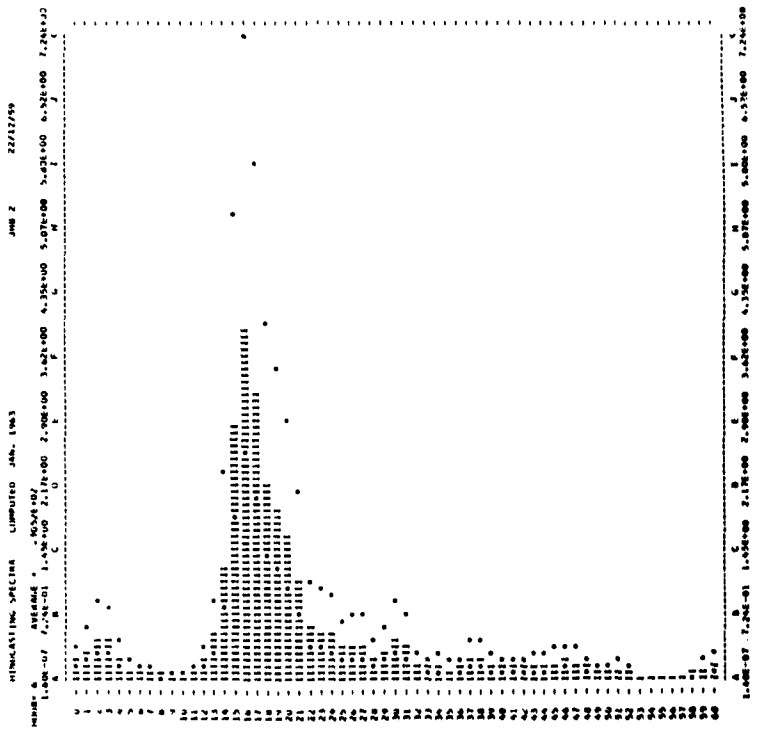
N	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0891	.0891	.0831	.0831	.1931	.0529
1	.006	.1250	.1250	.1190	.1190	.2143	.0758
2	.011	.1890	.1890	.1830	.1830	.3373	.1165
3	.017	.1890	.1890	.1830	.1830	.3373	.1165
4	.022	.1230	.1230	.1170	.1170	.2196	.0765
5	.028	.0650	.0650	.0590	.0590	.1087	.0376
6	.033	.0421	.0421	.0361	.0568	.1048	.0362
7	.039	.0401	.0401	.0341	.0432	.0834	.0288
8	.044	.0350	.0350	.0290	.0345	.0636	.0220
9	.050	.0249	.0249	.0189	.0209	.0386	.0133
10	.056	.0388	.0388	.0328	.0348	.0642	.0222
11	.061	.1370	.1370	.1310	.1369	.2525	.0865
12	.067	.4460	.4460	.4360	.4492	.8280	.2860
13	.072	.8997	.8997	.8937	.9169	1.6900	.5838
14	.078	1.0300	1.0300	1.0240	1.0598	1.9534	.6748
15	.083	.8310	.8310	.8250	.8674	1.5987	.5523
16	.089	.8000	.8000	.7940	.8442	1.5560	.5376
17	.094	.8400	.8400	.8340	.9202	1.6961	.5859
18	.100	.7840	.7840	.7780	.8856	1.6324	.5639
19	.106	.8110	.8110	.8050	.9503	1.7515	.6051
20	.111	.7990	.7990	.7930	.9738	1.7948	.6200
21	.117	.6080	.6080	.6020	.7716	1.4221	.4913
22	.122	.3610	.3610	.3550	.4765	.8783	.3034
23	.128	.1960	.1960	.1900	.2680	.4939	.1706
24	.133	.1420	.1420	.1360	.2027	.3737	.1291
25	.139	.1200	.1200	.1140	.1793	.3305	.1142
26	.144	.0779	.0779	.0719	.1199	.2210	.0764
27	.150	.0766	.0766	.0706	.1252	.2307	.0797
28	.156	.0936	.0936	.0876	.1657	.3056	.1055
29	.161	.0678	.0678	.0618	.1250	.2303	.0796
30	.167	.0480	.0480	.0420	.0911	.1679	.0580
31	.172	.0419	.0419	.0359	.0837	.1542	.0533
32	.178	.0293	.0293	.0233	.0586	.1080	.0373
33	.183	.0251	.0251	.0191	.0518	.0956	.0330
34	.189	.0211	.0211	.0151	.0444	.0819	.0283
35	.194	.0190	.0190	.0130	.0415	.0766	.0265
36	.200	.0183	.0183	.0123	.0428	.0790	.0273
37	.206	.0237	.0237	.0177	.0673	.1241	.0429
38	.211	.0392	.0392	.0332	.1384	.2551	.0881
39	.217	.0606	.0606	.0366	.1584	.2920	.1009
40	.222	.0285	.0285	.0225	.1134	.2090	.0722
41	.228	.0185	.0185	.0125	.0642	.1276	.0441
42	.233	.0124	.0142	.0082	.0506	.0933	.0322
43	.239	.0157	.0144	.0084	.0575	.1059	.0366
44	.244	.0140	.0141	.0081	.0614	.1132	.0391
45	.250	.0128	.0137	.0077	.0649	.1196	.0413
46	.256	.0152	.0145	.0085	.0803	.1480	.0511
47	.261	.0149	.0142	.0081	.0862	.1589	.0549
48	.267	.0117	.0114	.0054	.0638	.1177	.0407
49	.272	.0073	.0078	.0018	.0237	.0437	.0151
50	.278	.0049	.0055	.0000	.0000	.0000	.0000
51	.283	.0049	.0051	.0000	.0000	.0000	.0000
52	.289	.0056	.0059	.0020	.0000	.0000	.0000
53	.294	.0060	.0061	.0021	.0011	.0020	.0007
54	.300	.0067	.0068	.0027	.0188	.0347	.0120
55	.306	.0077	.0073	.0013	.0380	.0700	.0242
56	.311	.0073	.0071	.0010	.0345	.0635	.0219
57	.317	.0060	.0062	.0002	.0075	.0139	.0048
58	.322	.0056	.0056	.0000	.0000	.0000	.0000
59	.328	.0053	.0053	.0000	.0000	.0000	.0000
60	.333	.0051	.0052	.0000	.0000	.0000	.0000



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 22/12/59 AV. T= 7.9 RECORD = JAB 2
HOUR = 6 SIG.HGT. = 21.2 UPPER HGT. = 23.3
TOTAL DF =157 CORR. VAR. = 28.1 LOWER HGT. = 19.4
NOISE LEVEL = .0175 WIND SPEED = 0

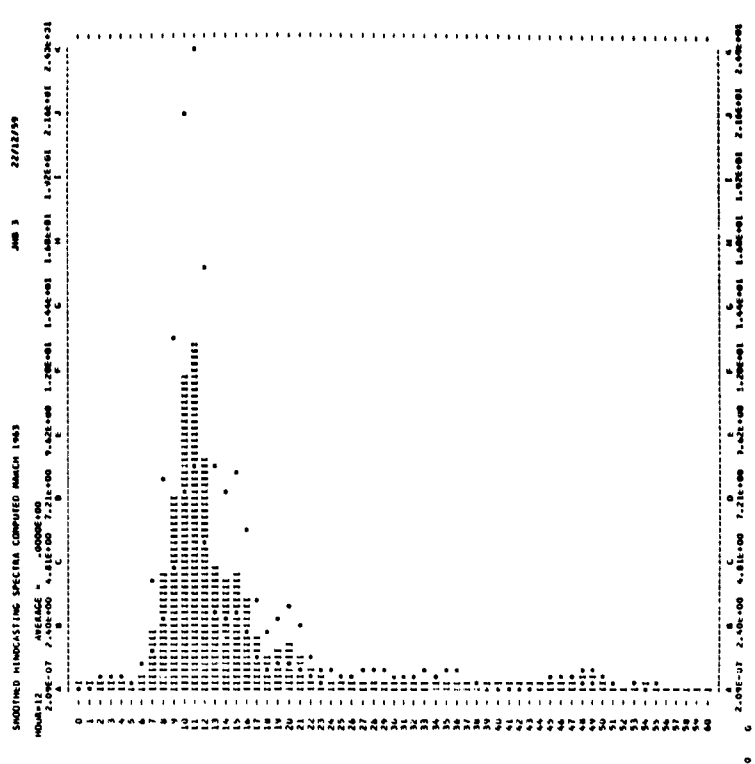
N	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.2045	.2045	.1870	.1870	.3447	.1191
1	.006	.3149	.3149	.2974	.2974	.5482	.1894
2	.011	.4719	.4719	.4545	.4545	.8377	.2894
3	.017	.4353	.4353	.4178	.4178	.7701	.2660
4	.022	.2557	.2557	.2382	.2382	.4391	.1517
5	.028	.1223	.1223	.1048	.1068	.1932	.0667
6	.033	.0747	.0747	.0573	.0902	.1663	.0575
7	.039	.0692	.0692	.0517	.0687	.1266	.0437
8	.044	.0526	.0526	.0352	.0419	.0772	.0267
9	.050	.0362	.0362	.0187	.0208	.0383	.0132
10	.056	.0488	.0488	.0311	.0333	.0613	.0212
11	.061	.1116	.1116	.0961	.0976	.1799	.0622
12	.067	.2020	.2020	.1844	.1893	.3488	.1205
13	.072	.4835	.4835	.4661	.4782	.8814	.3045
14	.078	1.2236	1.2236	1.2061	1.2483	2.3009	.7949
15	.083	2.7195	2.7195	2.7021	2.8410	5.2363	1.8090
16	.089	3.7138	3.7138	3.6961	3.9301	7.2438	2.5025
17	.094	2.8631	2.8631	2.8457	3.1920	5.8280	2.0134
18	.100	1.9298	1.9298	1.9123	2.1770	4.0125	1.3862
19	.106	1.6113	1.6113	1.5938	1.8815	3.4679	1.1980
20	.111	1.5089	1.5089	1.2915	1.5859	2.9231	1.0098
21	.117	.8916	.8916	.8739	1.1201	2.0645	.7132
22	.122	.4671	.4671	.4496	.4035	1.1124	.3843
23	.128	.3481	.3481	.3806	.5369	.9896	.3419
24	.133	.3510	.3510	.3335	.4980	.9182	.3198
25	.139	.2390	.2390	.2215	.3985	.6923	.2219
26	.144	.2507	.2507	.2332	.3892	.7173	.2478
27	.150	.2305	.2305	.2130	.3778	.6966	.2406
28	.156	.1910	.1910	.1335	.2525	.4656	.1608
29	.161	.1661	.1661	.1486	.3007	.5542	.1915
30	.167	.2314	.2314	.2140	.4644	.8559	.2957
31	.172	.1793	.1793	.1619	.3775	.6957	.2404
32	.178	.0872	.0872	.0697	.1755	.3235	.1118
33	.183	.0656	.0656	.0481	.1309	.2412	.0833
34	.189	.0648	.0648	.0476	.1397	.2574	.0889
35	.194	.0500	.0500	.0325	.1060	.1916	.0663
36	.200	.0495	.0495	.0320	.1118	.2061	.0712
37	.206	.0762	.0762	.0588	.2238	.4126	.1425
38	.211	.0776	.0776	.0601	.2508	.4622	.1597
39	.217	.0489	.0489	.0315	.1442	.2658	.0918
40	.222	.0342	.0425	.0250	.1260	.2322	.0802
41	.228	.0426	.0408	.0233	.1296	.2388	.0825
42	.233	.0388	.0396	.0219	.1348	.2484	.0857
43	.239	.0373	.0377	.0202	.1377	.2537	.0877
44	.244	.0373	.0376	.0202	.1530	.2819	.0974
45	.250	.0387	.0388	.0213	.1803	.3323	.1148
46	.256	.0405	.0386	.0209	.1973	.3637	.1256
47	.261	.0337	.0343	.0168	.1776	.3274	.1131
48	.267	.0241	.0289	.0114	.1354	.2496	.0862
49	.272	.0234	.0242	.0067	.0898	.1655	.0572
50	.278	.0205	.0225	.0050	.0733	.1389	.0480
51	.283	.0253	.0276	.0062	.1049	.1936	.0668
52	.289	.0236	.0223	.0049	.0940	.1733	.0599
53	.294	.0172	.0177	.0002	.0047	.0087	.0030
54	.300	.0129	.0134	.0000	.0000	.0000	.0000
55	.306	.0105	.0116	.0000	.0000	.0000	.0000
56	.311	.0117	.0126	.0000	.0000	.0000	.0000
57	.317	.0163	.0158	.0000	.0000	.0000	.0000
58	.322	.0189	.0194	.0009	.0399	.0736	.0254
59	.328	.0195	.0196	.0021	.1058	.1956	.0673
60	.333	.0204	.0200	.0029	.1439	.2662	.0918



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 22/12/59 AV. T= 10.8 RECORD = JMB 3
HOUR = 12 SIG.HGT. = 36.1 UPPER HGT. = 48.8
TOTAL DF =122 CORR. VAR. = 81.4 LOWER HGT. = 32.5
NOISE LEVEL = .0230 WIND SPEED = 0

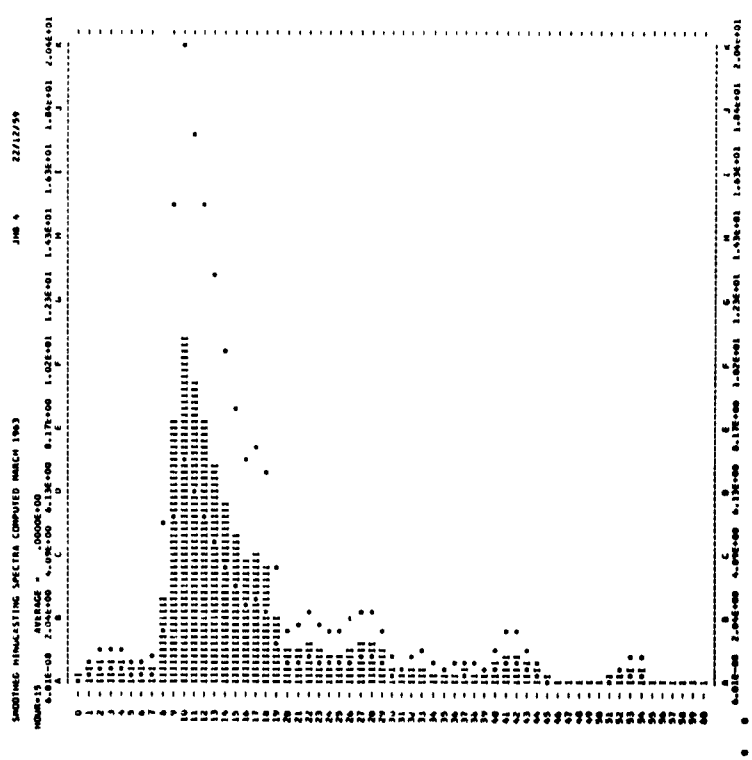
N	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1580	.1580	.1350	.1350	.2489	.0860
1	.006	.1660	.1660	.1430	.1430	.2636	.0911
2	.011	.2730	.2730	.2500	.2500	.4608	.1592
3	.017	.3680	.3680	.3250	.3250	.5991	.2070
4	.022	.2240	.2240	.2010	.2010	.3709	.1280
5	.028	.1370	.1370	.1140	.1140	.2102	.0726
6	.033	.3963	.3963	.3713	.5850	1.0783	.3725
7	.039	1.7213	1.7213	1.6983	2.2569	4.1580	1.4358
8	.044	3.6175	3.6175	3.5945	4.2404	7.8093	2.7195
9	.050	6.4717	6.4717	6.4487	7.1574	13.1922	4.5574
10	.056	11.0976	11.0976	11.0746	11.7723	21.6981	7.4959
11	.061	12.5971	12.5971	12.5741	13.0457	24.0451	8.3067
12	.067	8.4549	8.4549	8.4319	8.6476	15.9388	5.5063
13	.072	4.4622	4.4622	4.4392	4.5546	8.3949	2.9001
14	.078	3.9888	3.9888	3.9658	4.1046	7.5654	2.6136
15	.083	4.2085	4.2085	4.1855	4.4007	8.1111	2.8021
16	.089	3.1470	3.1470	3.1240	3.3218	6.1225	2.1151
17	.094	1.7222	1.7222	1.6992	1.8749	3.4558	1.1938
18	.100	1.0792	1.0792	1.0562	1.2044	2.2162	.7656
19	.106	1.2808	1.2808	1.2578	1.4849	2.7368	.9455
20	.111	1.3971	1.3971	1.3741	1.6876	3.1102	1.0746
21	.117	1.0200	1.0200	.9970	1.2779	2.3553	.8137
22	.122	.5160	.5160	.4930	.6618	1.2199	.4214
23	.128	.3030	.3030	.2800	.3980	.7280	.2515
24	.133	.2520	.2520	.2290	.3404	.6277	.2169
25	.139	.2080	.2080	.1850	.2911	.5369	.1853
26	.144	.2010	.2010	.1780	.2970	.5474	.1891
27	.150	.2140	.2140	.1910	.3388	.6245	.2157
28	.156	.1960	.1960	.1730	.3273	.6033	.2084
29	.161	.1890	.1890	.1660	.3334	.6140	.2138
30	.167	.1670	.1670	.1440	.3126	.5761	.1990
31	.172	.1110	.1110	.0880	.2055	.3784	.1307
32	.178	.1180	.1180	.0950	.2392	.4408	.1523
33	.183	.1460	.1460	.1230	.3304	.6163	.2129
34	.189	.1270	.1270	.1040	.3066	.5652	.1955
35	.194	.1250	.1250	.1020	.3267	.6021	.2080
36	.200	.1200	.1200	.0970	.3386	.6241	.2156
37	.206	.0728	.0728	.0498	.1898	.3498	.1208
38	.211	.0445	.0445	.0215	.0898	.1655	.0572
39	.217	.0539	.0539	.0309	.1417	.2612	.0902
40	.222	.0627	.0579	.0349	.1760	.3243	.1121
41	.228	.0523	.0527	.0247	.1652	.3044	.1052
42	.233	.0434	.0460	.0230	.1615	.2607	.0901
43	.239	.0448	.0456	.0224	.1528	.2815	.0973
44	.244	.0485	.0485	.0255	.1936	.3568	.1233
45	.250	.0522	.0496	.0265	.2237	.4124	.1425
46	.256	.0449	.0459	.0229	.2145	.3950	.1378
47	.261	.0416	.0463	.0233	.2465	.4542	.1569
48	.267	.0570	.0562	.0312	.3706	.6830	.2360
49	.272	.0611	.0555	.0328	.4155	.8026	.2773
50	.278	.0430	.0434	.0204	.3103	.5720	.1976
51	.283	.0271	.0295	.0066	.1121	.2067	.0714
52	.289	.0210	.0238	.0009	.0169	.0311	.0108
53	.294	.0263	.0266	.0034	.0754	.1348	.0483
54	.300	.0321	.0291	.0062	.1548	.2853	.0986
55	.306	.0261	.0266	.0034	.0973	.1794	.0620
56	.311	.0212	.0216	.0000	.0000	.0000	.0000
57	.317	.0173	.0179	.0000	.0000	.0000	.0000
58	.322	.0159	.0170	.0000	.0000	.0000	.0000
59	.328	.0191	.0185	.0000	.0000	.0000	.0000
60	.333	.0199	.0195	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 22/12/59 AV. T= 9.7 RECORD = JMB 4
HOUR = 15 SIG.HGT. = 38.6 UPPER HGT. = 42.2
TOTAL DF =163 CORR. VAR. = 93.0 LOWER HGT. = 35.2
NOISE LEVEL = .0717 WIND SPEED = 0

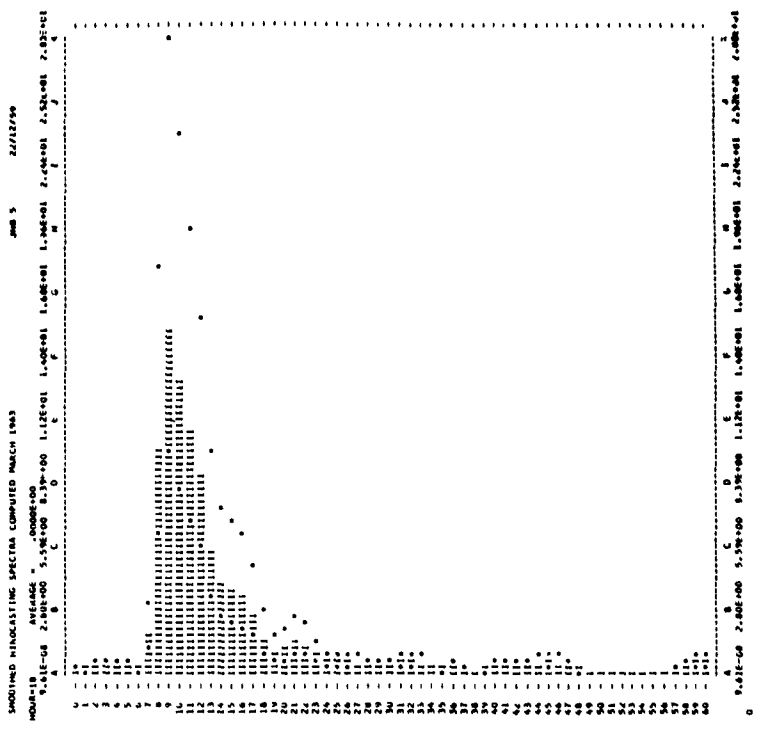
N	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1820	.1820	.1103	.1103	.2033	.0702
1	.006	.1980	.1980	.1263	.1263	.2329	.0804
2	.011	.3480	.3480	.2763	.2763	.5095	.1758
3	.017	.3750	.3750	.3033	.3033	.5592	.1930
4	.022	.4220	.4220	.3503	.3503	.6458	.2229
5	.028	.4260	.4260	.3543	.3543	.6530	.2254
6	.033	.2820	.2820	.2103	.3313	.6107	.2110
7	.039	.3988	.3988	.3271	.4343	.8005	.2765
8	.044	2.3616	2.3616	2.2899	2.7268	5.0259	1.7363
9	.050	7.5466	7.5466	7.5767	8.2962	15.2911	5.2825
10	.056	10.4980	10.4980	10.4263	11.0832	20.4279	7.0571
11	.061	9.2500	9.2500	9.1783	9.5225	17.5514	6.0633
12	.067	8.1897	8.1897	8.1180	8.3266	15.3472	5.3019
13	.072	6.9386	6.9386	6.8669	7.0454	12.9858	4.4851
14	.078	5.6142	5.6142	5.5425	5.7369	10.5732	3.6527
15	.083	4.5520	4.5520	4.4803	4.7106	8.6823	2.9994
16	.089	3.7131	3.7131	3.6414	3.8719	7.1365	2.4654
17	.094	3.8179	3.8179	3.7462	4.1336	7.6188	2.6320
18	.100	3.2780	3.2780	3.2063	3.6501	6.7276	2.3241
19	.106	1.7800	1.7800	1.7083	2.0167	3.7170	1.2841
20	.111	.8350	.8350	.7633	.9373	1.7278	.5968
21	.117	.8917	.8917	.8200	1.0510	1.9371	.6692
22	.122	1.0000	1.0000	.9283	1.2462	2.2968	.7935
23	.128	.8150	.8150	.7433	1.0484	1.9324	.6676
24	.133	.6690	.6690	.5973	.8882	1.6372	.5656
25	.139	.6380	.6380	.5663	.8909	1.6420	.5672
26	.144	.7030	.7030	.6313	1.0533	1.9413	.6707
27	.150	.7630	.7630	.6913	1.2261	2.2599	.7807
28	.156	.6890	.6890	.6173	1.1678	2.1525	.7436
29	.161	.5280	.5280	.4563	.9231	1.7013	.5877
30	.167	.2870	.2870	.2153	.4673	.8613	.2975
31	.172	.1780	.1780	.1063	.2479	.4569	.1579
32	.178	.2640	.2640	.1923	.4860	.8921	.3082
33	.183	.2570	.2570	.1853	.5037	.9283	.3207
34	.189	.1670	.1670	.0953	.2809	.5178	.1789
35	.194	.1330	.1330	.0613	.1963	.3618	.1250
36	.200	.1560	.1560	.0843	.2962	.5623	.1873
37	.206	.1710	.1710	.0993	.3782	.6971	.24.4
38	.211	.1450	.1450	.0733	.3058	.5636	.1967
39	.217	.1240	.1240	.0523	.2397	.4418	.1526
40	.222	.1640	.1767	.1051	.5295	.9760	.3372
41	.228	.2550	.2275	.1558	.8869	1.5971	.5517
42	.233	.2360	.2165	.1448	.8907	1.6417	.5672
43	.239	.1390	.1585	.0868	.5920	1.0911	.3770
44	.244	.1200	.1188	.0471	.3572	.6585	.2275
45	.250	.0962	.0903	.0187	.1576	.2904	.1004
46	.256	.0690	.0602	.0000	.0000	.0000	.0000
47	.261	.0466	.0512	.0000	.0000	.0000	.0000
48	.267	.0626	.0600	.0000	.0000	.0000	.0000
49	.272	.0684	.0685	.0000	.0000	.0000	.0000
50	.278	.0747	.0748	.0031	.0472	.0870	.0300
51	.283	.0815	.0803	.0086	.1472	.2713	.0937
52	.289	.0836	.0856	.0139	.2691	.4959	.1713
53	.294	.0937	.0813	.0196	.4319	.7961	.2750
54	.300	.0943	.0882	.0165	.4132	.7616	.2631
55	.306	.0704	.0723	.0006	.0180	.0331	.0114
56	.311	.0562	.0547	.0000	.0000	.0000	.0000
57	.317	.0559	.0573	.0000	.0000	.0000	.0000
58	.322	.0634	.0613	.0000	.0000	.0000	.0000
59	.328	.0626	.0616	.0000	.0000	.0000	.0000
60	.333	.0579	.0592	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 22/12/59 Av. T= 10.5 RECORD = JMR 5
HOUR = 18 SIG.HGT. = 34.1 UPPER HGT. = 45.9
TOTAL OF =118 CURR. VAR. = 95.6 LOWER HGT. = 25.2
NOISE LEVEL = .0293 WIND SPEED = 0

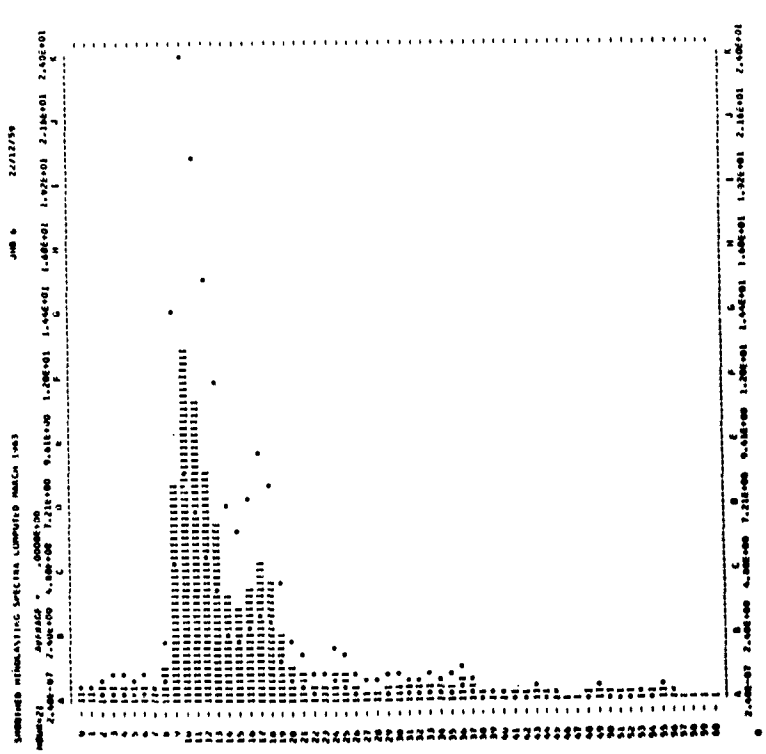
N	FRE.	UNIT=FT.2	FILTERED	-NOISE	CURR.FT.2	UPPER	LOWER
0	.000	.1681	.1681	.1388	.1388	.2226	.0769
1	.006	.2090	.2090	.1797	.1797	.3311	.1144
2	.011	.2640	.2640	.2347	.2347	.4325	.1496
3	.017	.2990	.2990	.2697	.2697	.4896	.1762
4	.022	.2730	.2730	.2437	.2437	.4491	.1591
5	.028	.3610	.3610	.3317	.3317	.6113	.2117
6	.033	.1694	.1694	.1181	.1028	.1970	.1184
7	.039	1.2958	1.2958	1.2565	1.0682	3.0767	1.0622
8	.044	8.1626	8.1626	8.1353	9.6851	17.8510	8.1869
9	.050	13.7028	13.7028	13.6735	19.1762	27.9719	9.6833
10	.056	12.2017	12.2017	12.1724	12.9302	23.8489	8.2389
11	.061	10.2993	10.2993	10.2700	10.6551	19.4308	6.7865
12	.067	8.3670	8.3670	8.3377	8.3726	15.8003	5.4584
13	.072	5.2704	5.2704	5.2411	5.3773	9.9112	3.4260
14	.078	3.7770	3.7770	3.7477	3.8788	7.1692	2.4698
15	.083	3.5445	3.5445	3.5152	3.6958	6.8120	2.3593
16	.089	3.1043	3.1043	3.0750	3.2696	6.0264	2.0814
17	.094	2.5209	2.5209	2.4916	2.5285	4.6604	1.6100
18	.100	1.9600	1.9600	1.9307	1.9148	3.7420	.9665
19	.106	.7960	.7960	.7667	.9090	1.6681	.5783
20	.111	.8452	.8452	.8159	1.0019	1.8466	.6379
21	.117	1.0400	1.0400	1.0107	1.2954	2.3875	.8248
22	.122	.9940	.9940	.9767	1.2413	2.2878	.7904
23	.128	.6080	.6080	.5787	.8134	1.4992	.4779
24	.133	.3600	.3600	.3307	.4917	.9063	.3131
25	.139	.3530	.3530	.3237	.5091	.9384	.3242
26	.144	.3490	.3490	.3197	.5264	.9707	.3353
27	.150	.2610	.2610	.2317	.4109	.7571	.2616
28	.156	.1970	.1970	.1677	.3172	.5846	.2020
29	.161	.1660	.1660	.1367	.2764	.5095	.1760
30	.167	.1550	.1550	.1457	.3271	.6587	.2276
31	.172	.2230	.2230	.1937	.4916	.8324	.3276
32	.178	.2340	.2340	.2047	.5151	.9494	.3280
33	.183	.1800	.1800	.1507	.4099	.7548	.2607
34	.189	.1060	.1060	.0767	.2201	.4056	.1401
35	.194	.0970	.0970	.0888	.2195	.4046	.1398
36	.200	.0965	.0965	.0872	.2344	.4320	.1492
37	.206	.0806	.0806	.0515	.1191	.2196	.0758
38	.211	.0437	.0437	.0144	.0599	.1104	.0381
39	.217	.0424	.0424	.0338	.1538	.2834	.0979
40	.222	.0491	.0819	.0526	.2652	.4888	.1689
41	.228	.0867	.0855	.0561	.3122	.5754	.1988
42	.233	.0794	.0823	.0530	.3258	.6004	.2074
43	.239	.0837	.0837	.0526	.3586	.6607	.2282
44	.244	.0808	.0818	.0524	.3977	.7330	.2532
45	.250	.0816	.0802	.0509	.4303	.7930	.2740
46	.256	.0766	.0721	.0428	.4038	.7443	.2571
47	.261	.0534	.0567	.0273	.2891	.5329	.1841
48	.267	.0436	.0443	.0149	.1776	.3269	.1129
49	.272	.0371	.0349	.0056	.0750	.1382	.0477
50	.278	.0223	.0245	.0000	.0000	.0000	.0000
51	.283	.0184	.0184	.0000	.0000	.0000	.0000
52	.289	.0184	.0184	.0000	.0000	.0000	.0000
53	.294	.0211	.0225	.0000	.0000	.0000	.0000
54	.300	.0282	.0280	.0000	.0000	.0000	.0000
55	.306	.0344	.0320	.0026	.0754	.1390	.0480
56	.311	.0307	.0311	.0020	.0642	.1184	.0409
57	.317	.0293	.0318	.0025	.0926	.1707	.0590
58	.322	.0379	.0360	.0067	.2910	.5363	.1853
59	.328	.0391	.0378	.0085	.4257	.7847	.2711
60	.333	.0353	.0372	.0079	.4548	.8384	.2896



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 22/12/59 Av. T= 10.4 RECORD = JMR 6
HOUR = 21 SIG.HGT. = 37.3 UPPER HGT. = 41.2
TOTAL OF =139 CURR. VAR. = 86.8 LOWER HGT. = 33.7
NOISE LEVEL = .0490 WIND SPEED = 0

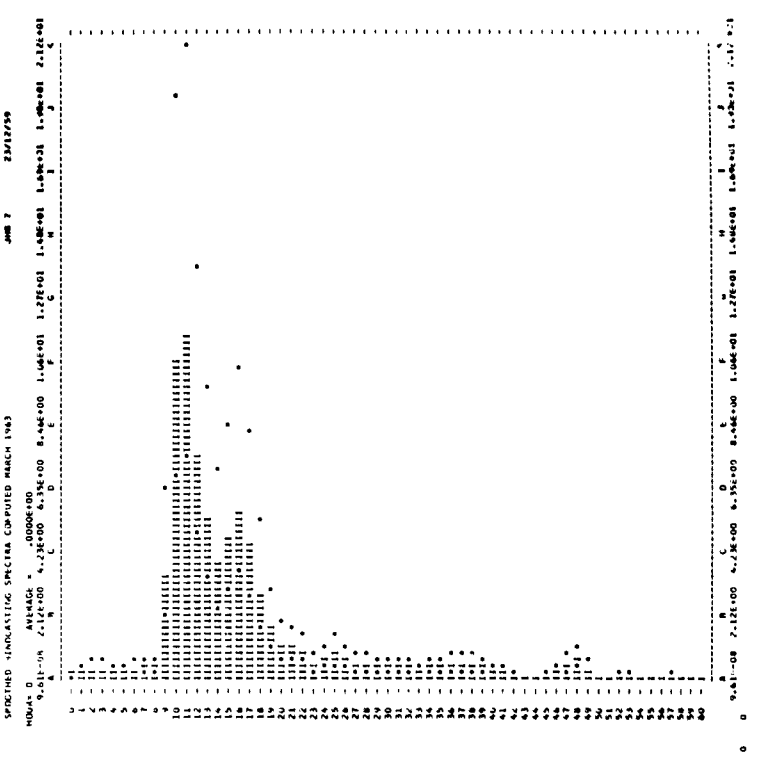
N	FRE.	UNIT=FT.2	FILTERED	-NOISE	CURR.FT.2	UPPER	LOWER
0	.000	.2437	.2437	.1987	.1987	.3662	.1265
1	.006	.2820	.2820	.2370	.2370	.4369	.1509
2	.011	.4500	.4500	.4050	.4050	.7465	.2578
3	.017	.5440	.5440	.5090	.5090	.9382	.3241
4	.022	.5040	.5090	.4640	.4640	.8552	.2954
5	.028	.4070	.4070	.3620	.3620	.6672	.2305
6	.033	.3660	.3660	.3010	.4762	.8741	.1020
7	.039	.2129	.2129	.1679	.2229	.4109	.1419
8	.044	1.0715	1.0715	1.0265	1.2224	2.2530	.7783
9	.050	7.0930	7.0930	7.0480	7.8226	14.4182	4.9809
10	.056	12.3035	12.3035	12.2585	15.0308	26.0177	8.2972
11	.061	10.6039	10.6039	10.5589	10.9949	20.1716	6.9756
12	.067	8.2869	8.2869	8.2419	8.4537	15.5816	5.3828
13	.072	6.2589	6.2589	6.2139	6.3755	11.7509	4.0595
14	.078	3.8214	3.8214	3.7764	3.9086	7.2091	2.4887
15	.083	3.2522	3.2522	3.2072	3.3720	6.2192	2.1671
16	.089	3.0568	3.0568	3.0118	3.0510	5.6665	2.0794
17	.094	4.5250	4.5250	4.4800	4.9832	9.1111	3.1676
18	.100	3.8672	3.8672	3.8222	4.3512	8.0199	2.7708
19	.106	2.0590	2.0590	2.0090	2.1869	4.0345	1.3871
20	.111	.9980	.9980	.9530	1.1703	2.1570	.7492
21	.117	.7070	.7070	.6620	.8485	1.5639	.5403
22	.122	.4020	.4020	.3570	.4792	.8833	.3051
23	.128	.4570	.4570	.4120	.5811	1.0711	.3700
24	.133	.7380	.7380	.6930	1.0306	1.8995	.6562
25	.139	.6260	.6260	.5810	.9140	1.6846	.5820
26	.144	.3260	.3260	.2790	.4455	.8579	.2965
27	.150	.2380	.2380	.1930	.3623	.6369	.2188
28	.156	.2100	.2100	.1650	.3500	.6451	.2228
29	.161	.2840	.2840	.2390	.4835	.8911	.3078
30	.167	.3670	.3670	.2620	.4886	1.0481	.3621
31	.172	.2170	.2170	.1720	.4021	.7393	.2594
32	.178	.1970	.1970	.1520	.3826	.7051	.2436
33	.183	.2290	.2290	.1960	.5001	.9218	.3184
34	.189	.1880	.1880	.1630	.4215	.7770	.2685
35	.194	.2010	.2010	.1560	.4945	.9206	.3180
36	.200	.2250	.2250	.1800	.4282	1.1478	.4000
37	.206	.1560	.1560	.1110	.4228	.7792	.2692
38	.211	.0807	.0807	.0357	.1489	.2745	.0948
39	.217	.0625	.0625	.0175	.0802	.1478	.0511
40	.222	.0632	.0632	.0182	.0919	.1693	.0585
41	.228	.0660	.0667	.0217	.1208	.2227	.0769
42	.233	.0757	.0762	.0292	.1794	.3307	.1143
43	.239	.0813	.0788	.0318	.2169	.3997	.1381
44	.244	.0689	.0617	.0227	.1720	.3169	.1095
45	.250	.0516	.0535	.0085	.0720	.1328	.0459
46	.256	.0420	.0456	.0006	.0056	.0104	.0036
47	.261	.0468	.0489	.0039	.0418	.0770	.0266
48	.267	.0402	.0576	.0126	.1419	.2615	.0903
49	.272	.0426	.0603	.0153	.2042	.3763	.1300
50	.278	.0357	.0571	.0121	.1825	.3364	.1162
51	.283	.0344	.0556	.0106	.1666	.3071	.1048
52	.289	.0341	.0527	.0077	.1490	.2746	.0949
53	.294	.0402	.0500	.0050	.1379	.2541	.0877
54	.300	.0408	.0509	.0059	.1679	.2726	.0942
55	.306	.0366	.0534	.0084	.2613	.4448	.1537
56	.311	.0311	.0485	.0035	.1184	.2166	.0751
57	.317	.0294	.0300	.0000	.0000	.0000	.0000
58	.322	.0293	.0309	.0000	.0000	.0000	.0000
59	.328	.0295	.0336	.0000	.0000	.0000	.0000
60	.333	.0291	.0323	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 23/12/59 AV. T= 10.0 RECORD = JHR 7
HOUR = 0 SIG.HGT. = 35.0 UPPER HGT. = 38.7
TOTAL OF 131 CORR. VAR. = 76.4 LOWER HGT. = 31.6
NOISE LEVEL = .0981 WIND SPEED = 0

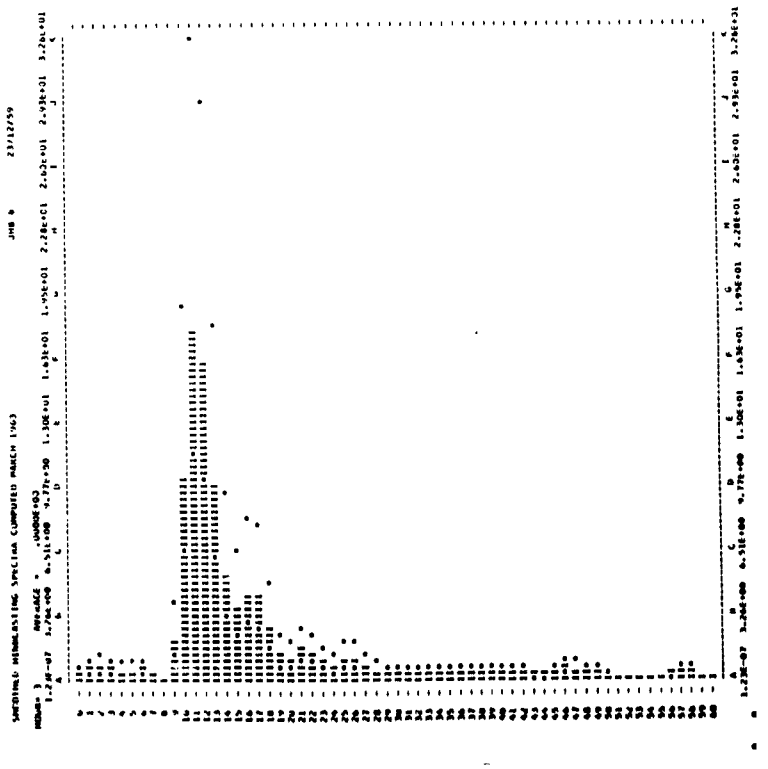
N	FRE.	UNIT*FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1478	.1478	.1047	.1047	.2023	.0899
1	.006	.2420	.2420	.2049	.2039	.3759	.1299
2	.011	.3280	.3280	.2899	.2849	.5344	.1846
3	.017	.3420	.3420	.3039	.3039	.5602	.1935
4	.022	.3040	.3040	.2659	.2659	.4902	.1693
5	.028	.2960	.2960	.2579	.2554	.4717	.1630
6	.033	.2320	.2320	.1939	.3056	.5644	.1966
7	.039	.3370	.3370	.2989	.3969	.7316	.2527
8	.044	.3491	.3491	.3070	.3696	.6738	.2328
9	.050	1.1809	1.1809	1.1424	3.4078	6.4264	2.2208
10	.056	9.6848	9.6848	9.6467	10.5734	19.4883	6.7325
11	.061	11.0991	11.0991	11.0610	11.4758	21.1517	7.3071
12	.067	7.3688	7.3688	7.3307	7.4986	13.8211	4.7767
13	.072	5.1341	5.1341	5.1010	5.2337	9.6646	3.3329
14	.078	3.6435	3.6435	3.6054	3.7316	6.8780	2.3761
15	.083	4.4141	4.4141	4.3810	4.6062	8.4900	2.9330
16	.089	5.2853	5.2853	5.2472	5.5794	10.2836	3.5926
17	.094	4.0461	4.0461	4.0080	4.4225	8.1513	2.8160
18	.100	2.5138	2.5138	2.4757	2.8184	5.1947	1.7966
19	.106	1.4400	1.4400	1.4019	1.6550	3.0506	1.0538
20	.111	.8730	.8730	.8349	1.0253	1.8898	.6529
21	.117	.7480	.7480	.7099	.8760	1.7953	.6202
22	.122	.6700	.6700	.6409	.8604	1.5858	.5479
23	.128	.3820	.3820	.3439	.4851	.8942	.3089
24	.133	.4270	.4270	.3889	.5784	1.0661	.3683
25	.139	.5470	.5470	.5089	.8006	1.4757	.5098
26	.144	.3960	.3960	.3579	.5972	1.1007	.3803
27	.150	.2830	.2830	.2449	.4344	.8007	.2766
28	.156	.2460	.2460	.2259	.4274	.7878	.2722
29	.161	.1980	.1980	.1599	.3235	.5961	.2060
30	.167	.1880	.1880	.1699	.3256	.4998	.2072
31	.172	.2040	.2040	.1659	.3870	.7133	.2464
32	.178	.1670	.1670	.1289	.3245	.5982	.2066
33	.183	.1360	.1360	.0979	.2662	.4907	.1695
34	.189	.1550	.1550	.1169	.3447	.6354	.2195
35	.194	.1560	.1560	.1179	.3776	.6960	.2405
36	.200	.1630	.1630	.1249	.4360	.8037	.2776
37	.206	.1660	.1660	.1279	.4873	.8982	.3103
38	.211	.1380	.1380	.0999	.4169	.7684	.2655
39	.217	.1160	.1160	.0779	.3572	.6583	.2274
40	.222	.0965	.0768	.0568	.2863	.5277	.1823
41	.228	.0704	.0715	.0335	.1863	.3433	.1186
42	.233	.0499	.0527	.0147	.0904	.1666	.0575
43	.239	.0428	.0457	.0076	.0520	.0958	.0331
44	.244	.0482	.0453	.0072	.0549	.1012	.0350
45	.250	.0420	.0465	.0084	.0714	.1315	.0454
46	.256	.0538	.0499	.0219	.2065	.3806	.1315
47	.261	.0401	.0421	.0041	.4662	.8592	.2968
48	.267	.0465	.0867	.0466	.5537	1.0206	.3526
49	.272	.0596	.0618	.0226	.3047	.5616	.1940
50	.278	.0297	.0379	.0000	.0000	.0000	.0000
51	.283	.0327	.0358	.0000	.0000	.0000	.0000
52	.289	.0481	.0414	.0055	.1029	.1897	.0655
53	.294	.0442	.0419	.0039	.0851	.1569	.0542
54	.300	.0330	.0361	.0000	.0000	.0000	.0000
55	.306	.0305	.0331	.0000	.0000	.0000	.0000
56	.311	.0410	.0390	.0009	.0109	.0570	.0197
57	.317	.0437	.0407	.0026	.0398	.1836	.0634
58	.32.	.0364	.0370	.0000	.0000	.0000	.0000
59	.320	.0355	.0368	.0000	.0000	.0000	.0000
60	.333	.0418	.0386	.0006	.0343	.0632	.0218



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 23/12/59 AV. T= 9.8 RECORD = JHR 8
HOUR = 1 SIG.HGT. = 39.7 UPPER HGT. = 44.3
TOTAL OF 131 CORR. VAR. = 98.4 LOWER HGT. = 35.6
NOISE LEVEL = .0698 WIND SPEED = 0

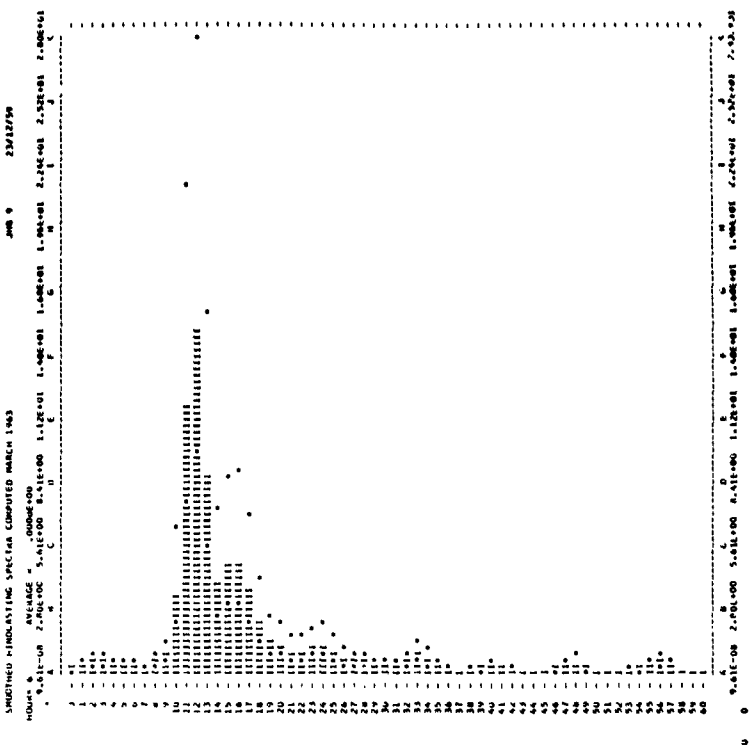
N	FRE.	UNIT*FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.3792	.3792	.3094	.3036	.5703	.1970
1	.006	.6450	.6450	.5752	.5752	1.0803	.3663
2	.011	.7900	.7900	.7202	.7202	1.3275	.4586
3	.017	.5850	.5850	.5152	.5152	.9497	.3281
4	.022	.5320	.5320	.4622	.4622	.8520	.2943
5	.028	.5430	.5430	.4732	.4732	.8723	.3013
6	.033	.6190	.6190	.5492	.5502	1.0142	.3504
7	.039	.2690	.2690	.1992	.2645	.4876	.1684
8	.044	.0968	.0968	.0270	.0372	.0594	.0205
9	.050	1.2651	1.2651	1.2953	2.1036	3.8773	1.3395
10	.056	9.6848	9.6848	9.6750	10.1783	18.7601	6.4809
11	.061	17.0454	17.0454	17.0256	17.6641	32.5576	11.2474
12	.067	15.5013	15.5013	15.4315	15.8281	29.1736	10.0784
13	.072	9.5486	9.5486	9.4788	9.7253	17.9252	6.1925
14	.078	5.7072	5.7072	5.7374	5.8967	10.8703	3.7550
15	.083	3.4455	3.4455	3.3757	3.5493	6.5418	2.2600
16	.089	4.2019	4.2019	4.1321	4.3937	8.0983	2.7976
17	.094	3.9226	3.9226	3.8528	4.2512	7.8356	2.7069
18	.100	2.4312	2.4312	2.3614	2.6788	4.9549	1.7117
19	.106	1.1500	1.1500	1.0802	1.2752	2.3504	.8120
20	.111	.4564	.7964	.4866	1.0888	2.0068	.6933
21	.117	1.2380	1.2380	1.1682	1.4973	2.7598	.9536
22	.122	1.0400	1.0400	.9702	1.3025	2.4006	.8293
23	.128	.7100	.7100	.6402	.9031	1.6645	.5750
24	.133	.5720	.5720	.5022	.7469	1.3766	.4756
25	.139	.6950	.6950	.6252	.9836	1.8129	.6263
26	.144	.7380	.7380	.6802	1.1116	2.0488	.7078
27	.150	.5070	.5070	.4372	.7755	1.4293	.4938
28	.156	.3040	.3040	.2362	.4431	.8168	.2822
29	.161	.2830	.2830	.2132	.4314	.7951	.2747
30	.167	.2640	.2640	.1942	.4249	.7830	.2712
31	.172	.2320	.2320	.1622	.3784	.6976	.2409
32	.178	.2010	.2010	.1312	.3303	.6088	.2103
33	.183	.1960	.1960	.1262	.3631	.6325	.2185
34	.189	.2030	.2030	.1332	.3928	.7240	.2501
35	.194	.1770	.1770	.1072	.3636	.6329	.2186
36	.200	.1820	.1820	.1122	.3917	.7220	.2494
37	.206	.1690	.1690	.0992	.3780	.6967	.2407
38	.211	.1670	.1670	.0772	.3222	.5939	.2052
39	.217	.1560	.1560	.0862	.3952	.7284	.2516
40	.222	.1590	.1525	.0827	.4171	.7688	.2656
41	.228	.1360	.1350	.0652	.3629	.6688	.2310
42	.233	.1090	.1135	.0437	.2691	.4959	.1713
43	.239	.1000	.1004	.0307	.2093	.3858	.1333
44	.244	.0928	.1008	.0309	.2343	.4319	.1492
45	.250	.1170	.1149	.0452	.3820	.7040	.2432
46	.256	.1330	.1262	.0565	.5146	.9485	.3277
47	.261	.1140	.1155	.0457	.4838	.8919	.3081
48	.267	.1010	.1017	.0320	.3797	.6999	.2418
49	.272	.0909	.0908	.0211	.2816	.5191	.1793
50	.278	.0805	.0802	.0104	.1575	.2904	.1003
51	.283	.0849	.0701	.0006	.0063	.0116	.0040
52	.289	.0822	.0843	.0000	.0000	.0000	.0000
53	.294	.0641	.0837	.0000	.0000	.0000	.0000
54	.300	.0643	.0650	.0000	.0000	.0000	.0000
55	.306	.0673	.0691	.0000	.0000	.0000	.0000
56	.311	.0776	.0799	.0061	.2016	.3716	.1284
57	.317	.0815	.0810	.0112	.4237	.7809	.2698
58	.324	.0836	.0796	.0097	.4288	.7750	.2677
59	.328	.0691	.0685	.0000	.0000	.0000	.0000
60	.333	.0528	.0606	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 23/12/59 AV. T= 9.7 RECORD = JAN 0
HOUR = 6 SIG.HGT. = 35.6 UPPER HGT. = 39.5
TOTAL DF =118 CURR. VAR. = 78.3 LOWER HGT. = 31.7
NOISE LEVEL = .0684 WIND SPEED = 0

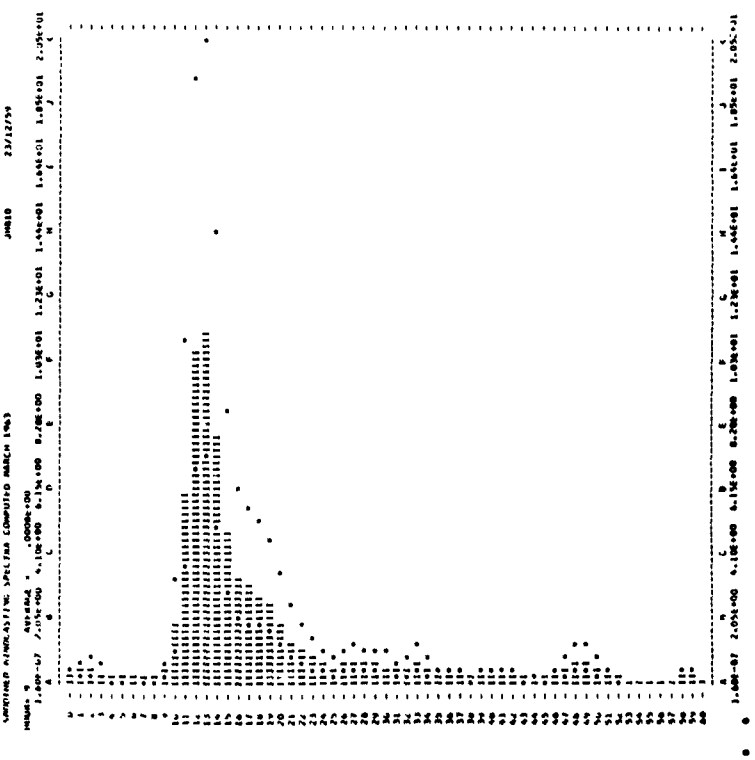
M	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.2215	.2215	.1931	.1931	.2822	.0975
1	.006	.3630	.3630	.2946	.2946	.4630	.1876
2	.011	.4350	.4350	.4666	.4666	.8601	.2971
3	.017	.4030	.4030	.4346	.4346	.8011	.2767
4	.022	.3460	.3460	.3276	.3276	.6039	.2086
5	.028	.3120	.3120	.2436	.2436	.4490	.1551
6	.033	.2680	.2680	.1946	.1946	.3148	.1707
7	.039	.1710	.1710	.1026	.1363	.2511	.0868
8	.044	.5050	.5050	.4366	.5190	.9583	.3311
9	.050	.8125	.8179	.7461	.8259	1.5223	.5259
10	.056	3.3260	3.2260	3.2576	3.4829	6.3826	2.2049
11	.061	11.4033	11.4033	11.3369	11.7600	21.6786	7.4891
12	.067	14.9012	14.9012	14.8328	15.2140	28.0417	9.6874
13	.072	8.5705	8.5705	8.5111	8.7324	16.0981	5.5603
14	.078	3.9349	3.9349	3.8675	4.0029	7.3779	2.5488
15	.083	4.5212	4.5212	4.4528	4.6017	8.4781	2.9810
16	.089	4.6764	4.6764	4.6080	4.8907	9.0309	3.1198
17	.094	3.4486	3.4486	3.3802	3.7297	6.8765	2.3748
18	.100	2.0740	2.0740	2.0056	2.2832	4.2089	1.4538
19	.106	1.2918	1.2918	1.2234	1.4063	2.6020	.9198
20	.111	1.0900	1.0900	1.0216	1.2946	2.3123	.7988
21	.117	.7890	.7890	.7206	.9236	1.7024	.5881
22	.122	.7510	.7510	.6826	.9164	1.6890	.5835
23	.128	.8570	.8570	.7886	1.1126	2.0502	.7081
24	.133	.8540	.8540	.7856	1.1683	2.1534	.7439
25	.139	.6830	.6830	.6146	.9869	1.7821	.6156
26	.144	.4080	.4080	.3396	.5866	1.0444	.3608
27	.150	.3420	.3420	.2736	.4853	.8943	.3090
28	.156	.3020	.3020	.2338	.4420	.8146	.2814
29	.161	.1960	.1960	.1276	.2582	.4759	.1644
30	.167	.1980	.1980	.1296	.2813	.5185	.1791
31	.172	.2300	.2300	.1616	.3769	.6947	.2400
32	.178	.2690	.2690	.2006	.4950	.9307	.3215
33	.183	.3270	.3270	.2586	.7030	1.2957	.4476
34	.189	.2620	.2620	.1936	.5708	1.0520	.3634
35	.194	.1600	.1600	.0916	.2934	.5407	.1868
36	.200	.1040	.1040	.0356	.1243	.2292	.0792
37	.206	.0840	.0840	.0156	.0545	.1047	.0379
38	.211	.0675	.0675	.0141	.0768	.1470	.0548
39	.217	.1010	.1030	.0346	.1587	.2925	.1010
40	.222	.1280	.1187	.0503	.2539	.4680	.1617
41	.228	.1160	.1080	.0397	.2207	.4067	.1405
42	.233	.0722	.0824	.0143	.0877	.1618	.0558
43	.239	.0701	.0764	.0081	.0414	.0764	.0264
44	.244	.0854	.0781	.0098	.0741	.1366	.0472
45	.250	.0717	.0768	.0084	.0710	.1309	.0452
46	.256	.0783	.0841	.0157	.1483	.2733	.0944
47	.261	.1080	.1013	.0330	.3486	.6425	.2219
48	.267	.1110	.1037	.0354	.4202	.7745	.2674
49	.272	.0850	.0830	.0146	.1955	.3604	.1245
50	.278	.0510	.0593	.0000	.0000	.0000	.0000
51	.283	.0501	.0461	.0000	.0000	.0000	.0000
52	.289	.0733	.0687	.0000	.0000	.0000	.0000
53	.294	.0763	.0741	.0057	.1260	.2322	.0802
54	.300	.0705	.0746	.0063	.1574	.2900	.1002
55	.306	.0813	.0800	.0117	.3338	.6153	.2125
56	.311	.0870	.0821	.0138	.4513	.8316	.2874
57	.317	.0732	.0745	.0061	.2308	.4255	.1470
58	.322	.0646	.0648	.0000	.0000	.0000	.0000
59	.328	.0568	.0566	.0000	.0000	.0000	.0000
60	.333	.0483	.0529	.0000	.0000	.0000	.0000



SMOOTHED FINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 23/12/59 AV. T= 9.0 RECORD = JAN16
HOUR = 9 SIG.HGT. = 33.8 UPPER HGT. = 37.4
TOTAL DF =127 CURR. VAR. = 71.2 LOWER HGT. = 30.5
NOISE LEVEL = .0538 WIND SPEED = 0

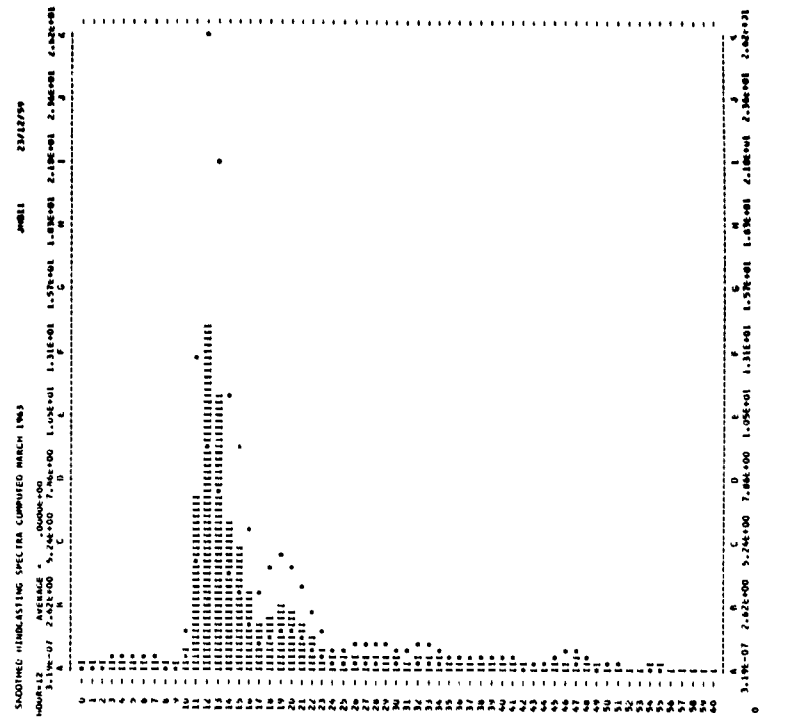
M	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.2571	.2571	.2033	.2033	.3748	.1295
1	.006	.3800	.3800	.3262	.3262	.6015	.2077
2	.011	.4770	.4770	.4232	.4232	.7801	.2695
3	.017	.5360	.5360	.3022	.3022	.5570	.1924
4	.022	.2130	.2130	.1592	.1592	.2935	.1014
5	.028	.1700	.1700	.1162	.1162	.2142	.0740
6	.033	.1580	.1580	.1042	.1042	.3026	.1046
7	.039	.1690	.1690	.1152	.1530	.2820	.0976
8	.044	.1700	.1700	.1162	.1384	.2551	.0881
9	.050	.3365	.3365	.2827	.3138	.5784	.1998
10	.056	1.7017	1.7017	1.6479	1.7917	3.3287	1.1184
11	.061	5.7112	5.7112	5.6574	5.8696	10.8145	3.7376
12	.067	10.2959	10.2959	10.2421	10.5053	19.3629	6.6892
13	.072	10.8961	10.8961	10.8423	11.1742	20.5936	7.0832
14	.078	7.5262	7.5262	7.4724	7.7360	14.2548	4.9245
15	.083	4.4568	4.4568	4.4030	4.6293	8.5326	2.9477
16	.089	3.1997	3.1997	3.1459	3.3451	6.1654	2.1299
17	.094	2.7620	2.7620	2.7082	2.9883	5.5078	1.9027
18	.100	2.6611	2.6611	2.6073	2.7405	5.0511	1.7450
19	.106	2.1216	2.1216	2.0678	2.4411	4.4982	1.5543
20	.111	1.5599	1.5599	1.5061	1.8645	3.4484	1.1777
21	.117	1.0700	1.0700	1.0162	1.3025	2.4007	.8293
22	.122	.7750	.7750	.7212	.9662	1.7845	.6165
23	.128	.5670	.5670	.5132	.7521	1.3863	.4789
24	.133	.4260	.4260	.3722	.5535	1.0202	.3525
25	.139	.3090	.3090	.2552	.4015	.7400	.2556
26	.144	.3800	.3800	.3262	.5443	1.0032	.3466
27	.150	.4930	.4930	.3692	.7081	1.3051	.4509
28	.156	.3670	.3670	.3132	.5926	1.0922	.3773
29	.161	.3270	.3270	.2732	.5527	1.0187	.3519
30	.167	.2880	.2880	.2342	.5040	.9290	.3209
31	.172	.1860	.1860	.1322	.3084	.5683	.1963
32	.178	.2230	.2230	.1692	.4259	.7850	.2712
33	.183	.2840	.2840	.2302	.6258	1.1534	.3985
34	.189	.2130	.2130	.1592	.4694	.8651	.2989
35	.194	.1370	.1370	.0832	.2869	.4911	.1697
36	.200	.1140	.1140	.0602	.2192	.3874	.1338
37	.206	.1010	.1010	.0472	.1799	.3315	.1145
38	.211	.0920	.0920	.0382	.1594	.2938	.1015
39	.217	.0919	.0919	.0381	.1767	.3220	.1117
40	.222	.1050	.1012	.0474	.2342	.4408	.1523
41	.228	.1030	.0996	.0458	.2450	.4700	.1624
42	.233	.0875	.0875	.0337	.2073	.3820	.1320
43	.239	.0719	.0734	.0196	.1338	.2467	.0852
44	.244	.0823	.0695	.0117	.0891	.1642	.0567
45	.250	.0696	.0661	.0123	.1051	.1936	.0682
46	.256	.0706	.0742	.0205	.1931	.3564	.1231
47	.261	.0898	.0818	.0381	.4027	.7423	.2564
48	.267	.1170	.1094	.0657	.8613	1.2189	.4211
49	.272	.1160	.1082	.0645	.7012	1.2924	.4465
50	.278	.0749	.0824	.0286	.4518	.7958	.2749
51	.283	.0558	.0637	.0100	.1701	.3136	.1083
52	.289	.0615	.0808	.0070	.1359	.2505	.0865
53	.294	.0604	.0763	.0025	.0555	.1023	.0353
54	.300	.0409	.0451	.0000	.0000	.0000	.0000
55	.306	.0392	.0407	.0000	.0000	.0000	.0000
56	.311	.0434	.0452	.0000	.0000	.0000	.0000
57	.317	.0550	.0562	.0000	.0169	.0311	.0107
58	.322	.0639	.0597	.0034	.1268	.4795	.1643
59	.328	.0569	.0573	.0035	.1761	.3244	.1122
60	.333	.0519	.0544	.0006	.0300	.3664	.0229



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1983

DATE = 23/12/59 AV. T= 9.4 RECORD = JHR11
HOUR = 12 SIG.HGT. = 34.1 UPPER HGT. = 38.1
TOTAL OF =110 CORR. VAR. = 72.8 LOWER HGT. = 30.6
NOISE LEVEL = .0360 WIND SPEED = 0

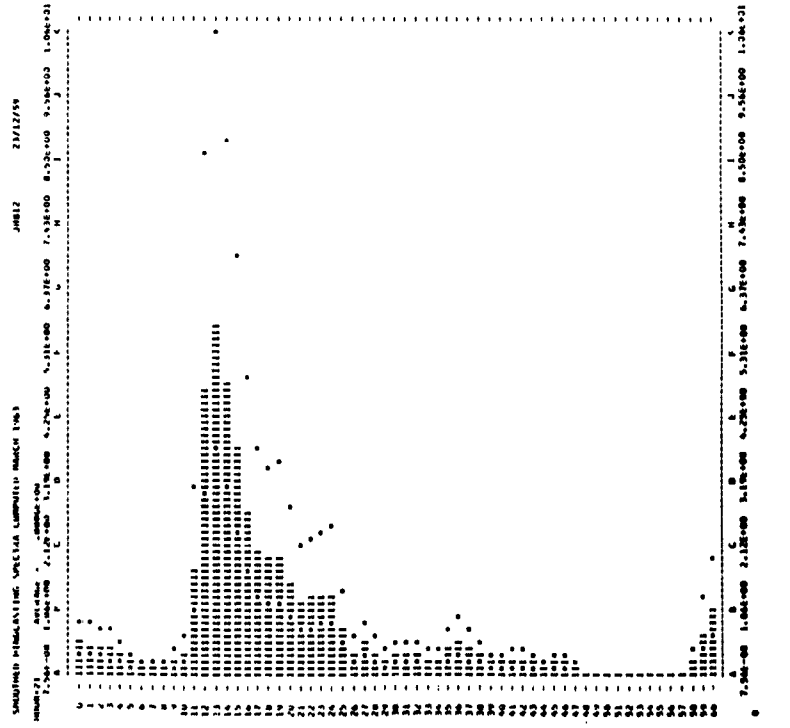
N	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1703	.1703	.1342	.1342	.2674	.0858
1	.006	.1700	.1700	.1339	.1340	.2669	.0853
2	.011	.2360	.2360	.1979	.1980	.3949	.1268
3	.017	.3490	.3490	.3129	.3128	.5788	.1993
4	.022	.3610	.3610	.3249	.3249	.5989	.2069
5	.028	.2950	.2950	.2589	.2589	.4773	.1649
6	.033	.2410	.2410	.2049	.3229	.5982	.2096
7	.039	.2040	.2040	.1679	.2230	.4110	.1428
8	.044	.1940	.1940	.1579	.1881	.3447	.1198
9	.050	.1810	.1810	.1449	.1609	.2968	.1026
10	.056	.7763	.7763	.7402	.7869	1.4503	.5018
11	.061	6.7752	6.7752	6.7391	6.9919	12.8878	4.4620
12	.067	13.8952	13.8952	13.8591	14.2153	26.2010	9.0615
13	.072	11.0988	11.0988	11.0627	11.3904	20.9204	7.2372
14	.078	5.8884	5.8884	5.8523	6.0572	11.1643	3.8568
15	.083	4.7588	4.7588	4.7227	4.9695	9.1582	3.1617
16	.089	2.9342	2.9342	2.8981	3.0816	5.6799	1.9622
17	.094	1.6061	1.6061	1.5700	1.7324	3.1931	1.1031
18	.100	1.9846	1.9846	1.9485	2.2182	4.0885	1.4124
19	.106	2.1598	2.1598	2.1237	2.5871	4.8209	1.5984
20	.111	1.9296	1.9296	1.8935	2.3253	4.2858	1.4806
21	.117	1.5010	1.5010	1.4649	1.8776	3.4607	1.1956
22	.122	1.0100	1.0100	.9739	1.3074	2.4098	.8325
23	.128	.6950	.6950	.6589	.8730	1.6091	.5559
24	.133	.3700	.3700	.3339	.4946	.9153	.3162
25	.139	.2860	.2860	.2499	.3932	.7247	.2504
26	.144	.3550	.3550	.3189	.5321	.9808	.3388
27	.150	.3620	.3620	.3259	.5426	1.0002	.3455
28	.156	.3580	.3580	.3219	.6091	1.1224	.3878
29	.161	.3460	.3460	.3099	.6270	1.1556	.3992
30	.167	.2390	.2390	.2029	.4405	.8119	.2805
31	.172	.2010	.2010	.1649	.3847	.7090	.2449
32	.178	.2420	.2420	.2059	.5184	.9554	.3301
33	.183	.2460	.2460	.2099	.5707	1.0518	.3634
34	.189	.1750	.1750	.1390	.4096	.7550	.2608
35	.194	.1650	.1650	.1289	.3488	.6430	.2221
36	.200	.1360	.1360	.0999	.3488	.6429	.2221
37	.206	.1000	.1000	.0639	.2436	.4489	.1551
38	.211	.1010	.1010	.0649	.2709	.4994	.1725
39	.217	.1110	.1110	.0749	.3435	.6331	.2187
40	.222	.1120	.1082	.0702	.3537	.6520	.2252
41	.228	.0909	.0844	.0503	.2800	.5161	.1783
42	.233	.0518	.0605	.0244	.1502	.2769	.0957
43	.239	.0444	.0471	.0111	.0755	.1392	.0481
44	.244	.0459	.0459	.0129	.0977	.1800	.0622
45	.250	.0595	.0615	.0295	.2153	.3968	.1371
46	.256	.0812	.0769	.0409	.3860	.7115	.2458
47	.261	.0858	.0793	.0432	.4573	.8428	.2912
48	.267	.0645	.0645	.0284	.3576	.6593	.2190
49	.272	.0635	.0496	.0136	.1811	.3339	.1153
50	.278	.0471	.0447	.0086	.1301	.2398	.0828
51	.283	.0410	.0404	.0044	.0751	.1384	.0478
52	.289	.0327	.0364	.0004	.0077	.0193	.0049
53	.294	.0394	.0388	.0028	.0416	.0138	.0342
54	.300	.0419	.0428	.0067	.1693	.3120	.1078
55	.306	.0440	.0416	.0055	.1590	.2931	.1013
56	.311	.0349	.0372	.0012	.0386	.0711	.0246
57	.317	.0349	.0368	.0008	.0301	.0556	.0192
58	.322	.0411	.0363	.0003	.0108	.0200	.0069
59	.328	.0271	.0280	.0000	.0000	.0000	.0000
60	.333	.0168	.0219	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1983

DATE = 23/12/59 AV. T= 7.9 RECORD = JHR12
HOUR = 21 SIG.HGT. = 27.6 UPPER HGT. = 30.0
TOTAL OF =178 CORR. VAR. = 47.4 LOWER HGT. = 25.3
NOISE LEVEL = .0301 WIND SPEED = 0

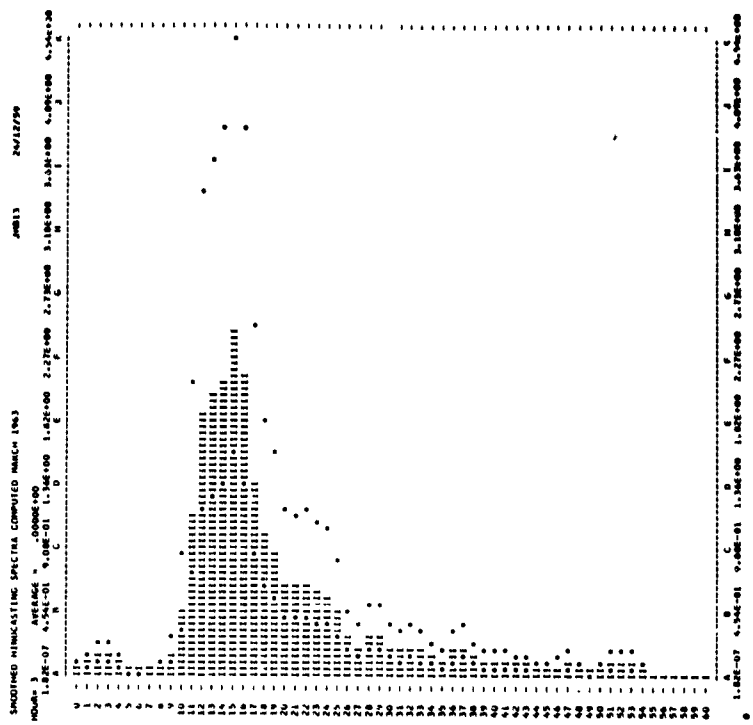
N	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.5187	.5187	.4886	.4886	.9005	.3111
1	.006	.4870	.4870	.4569	.4569	.8421	.2909
2	.011	.4500	.4500	.4199	.4199	.7739	.2674
3	.017	.4430	.4430	.4129	.4129	.7610	.2629
4	.022	.3366	.3366	.3057	.3057	.5634	.1946
5	.028	.1970	.1970	.1669	.1669	.3076	.1063
6	.033	.1150	.1150	.0849	.1337	.2465	.0851
7	.039	.1110	.1110	.0809	.1074	.1979	.0684
8	.044	.1410	.1410	.1109	.1320	.2434	.0841
9	.050	.2120	.2120	.1819	.2019	.3721	.1285
10	.056	.3342	.3342	.3041	.3232	.5958	.2058
11	.061	1.6607	1.6607	1.6306	1.6917	3.1181	1.0772
12	.067	4.6049	4.6049	4.5748	4.6823	8.6687	2.9878
13	.072	5.6460	5.6460	5.6159	5.7619	10.6200	3.6698
14	.078	4.6307	4.6307	4.6006	4.7616	8.7763	3.0319
15	.083	3.5881	3.5881	3.5580	3.7409	6.8949	2.3820
16	.089	2.4958	2.4958	2.4657	2.6218	4.8323	1.6694
17	.094	1.8192	1.8192	1.7891	1.9961	3.6794	1.2710
18	.100	1.6710	1.6710	1.6409	1.8680	3.4429	1.1894
19	.106	1.6330	1.6330	1.6029	1.8922	3.4876	1.2048
20	.111	1.7300	1.7300	1.6999	1.9734	3.6376	1.2568
21	.117	1.9310	1.9310	1.9009	2.1803	4.0194	1.3889
22	.122	2.0490	2.0490	2.0189	2.2335	4.1175	1.4229
23	.128	2.0380	2.0380	2.0079	2.2806	4.2043	1.4529
24	.133	2.0150	2.0150	1.9849	2.3159	4.2694	1.4754
25	.139	2.0100	2.0100	1.9799	2.3569	4.3450	1.5015
26	.144	2.0520	2.0520	2.0219	2.3702	4.3695	1.5100
27	.150	2.0090	2.0090	1.9789	2.4875	4.5856	1.5846
28	.156	2.2240	2.2240	2.1939	2.3668	4.3630	1.5075
29	.161	2.1410	2.1410	2.1109	2.2243	4.1006	1.4168
30	.167	2.1590	2.1590	2.1289	2.2710	4.1865	1.4466
31	.172	2.1660	2.1660	2.1359	2.3169	4.2711	1.4759
32	.178	2.1510	2.1510	2.1209	2.3062	4.2514	1.4691
33	.183	2.1250	2.1250	2.0949	2.2574	4.1612	1.4379
34	.189	2.1150	2.1150	2.0849	2.2542	4.1553	1.4359
35	.194	2.1400	2.1400	2.1099	2.3838	4.3945	1.5192
36	.200	2.1730	2.1730	2.1429	2.4986	4.6065	1.5917
37	.206	2.1380	2.1380	2.1079	2.4109	4.4447	1.5358
38	.211	2.0971	2.0971	2.0670	2.2784	4.2000	1.4511
39	.217	2.0727	2.0727	2.0426	2.1951	4.0466	1.3982
40	.222	2.0570	2.0536	2.0235	2.1687	3.9979	1.3814
41	.228	2.0677	2.0676	2.0375	2.2087	4.0717	1.4069
42	.233	2.0782	2.0697	2.0396	2.2626	4.1712	1.4412
43	.239	2.0547	2.0579	2.0277	2.2451	4.1388	1.4301
44	.244	2.0439	2.0486	2.0184	2.1399	3.9449	1.3631
45	.250	2.0518	2.0501	2.0199	2.1686	3.9978	1.3814
46	.256	2.0528	2.0504	2.0202	2.1912	4.0395	1.3958
47	.261	2.0414	2.0414	2.0112	2.1190	3.9063	1.3498
48	.267	2.0249	2.0276	2.0000	2.0000	3.8000	1.3000
49	.272	2.0173	2.0193	2.0000	2.0000	3.8000	1.3000
50	.278	2.0183	2.0177	2.0000	2.0000	3.8000	1.3000
51	.283	2.0189	2.0181	2.0000	2.0000	3.8000	1.3000
52	.289	2.0273	2.0230	2.0000	2.0000	3.8000	1.3000
53	.294	2.0306	2.0278	2.0000	2.0000	3.8000	1.3000
54	.300	2.0277	2.0264	2.0000	2.0000	3.8000	1.3000
55	.306	2.0249	2.0251	2.0000	2.0000	3.8000	1.3000
56	.311	2.0236	2.0265	2.0000	2.0000	3.8000	1.3000
57	.317	2.0302	2.0296	2.0000	2.0000	3.8000	1.3000
58	.322	2.0346	2.0359	2.0058	2.2527	4.4697	1.5604
59	.328	2.0449	2.0438	2.0137	2.6868	5.2660	1.8373
60	.333	2.0520	2.0482	2.0181	3.0483	5.9705	2.0662



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 24/12/59 AV. T= 8.6 RECORD = JH813
HOUR = 3 SIG.HGT. = 19.3 UPPER HGT. = 21.0
TOTAL DP =176 CORR. VAR. = 23.2 LOWER HGT. = 17.7
NOISE LEVEL = .0193 WIND SPEED = 8

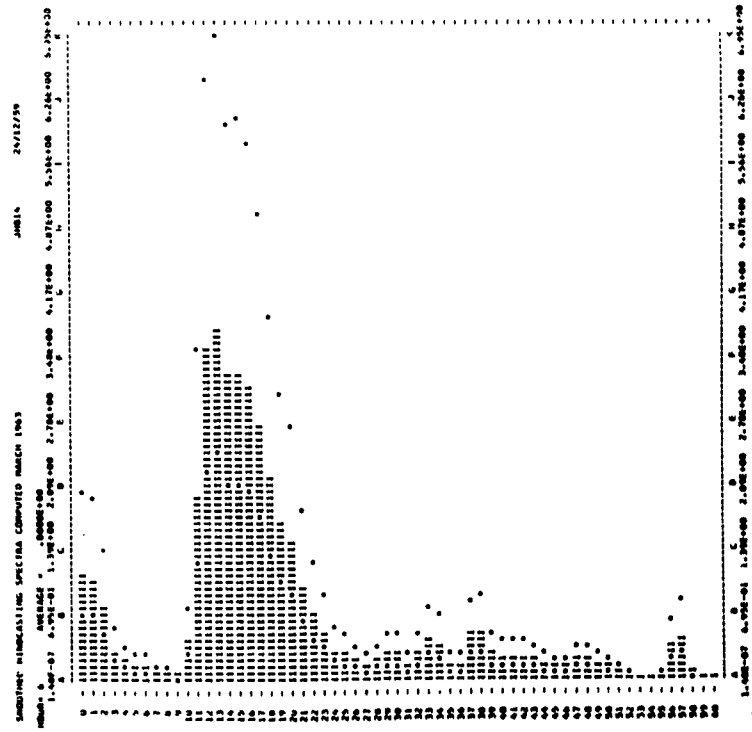
N	FRQ.	UNIT=FT.2	FILTERED -NOISE		CORR.FT.2	UPPER	LOWER
0	.000	.0628	.0628	.0478	.0478	.0478	.0382
1	.006	.0732	.0732	.0779	.0779	.1436	.0696
2	.011	.1618	.1618	.1257	.1257	.2917	.0800
3	.017	.1418	.1418	.1257	.1257	.2317	.0800
4	.022	.0876	.0876	.0723	.0723	.1332	.0460
5	.028	.0494	.0494	.0381	.0381	.0595	.0192
6	.033	.0341	.0341	.0188	.0188	.0645	.0188
7	.039	.0450	.0450	.0277	.0368	.0677	.0234
8	.044	.0912	.0912	.0359	.0427	.0788	.0272
9	.050	.1498	.1498	.1327	.1484	.2738	.0948
10	.056	.4973	.4973	.4428	.4498	.8640	.2992
11	.061	1.1189	1.1189	1.1036	1.1458	2.1103	.7200
12	.067	1.8333	1.8333	1.8188	1.8647	3.4369	1.1673
13	.072	1.9810	1.9810	1.9387	1.9866	3.6608	1.2646
14	.078	2.0933	2.0933	2.0388	2.1093	3.8878	1.3431
15	.083	2.3981	2.3981	2.3438	2.4443	4.5428	1.5601
16	.089	2.0196	2.0196	2.0043	2.1312	3.9280	1.3570
17	.094	1.2980	1.2980	1.2547	1.3684	2.5110	.8675
18	.100	.8750	.8750	.8597	.9767	1.8018	.6232
19	.106	.7480	.7480	.7247	.8985	1.6768	.5447
20	.111	.5440	.5440	.5287	.6492	1.1966	.4134
21	.117	.5030	.5030	.4877	.6291	1.1521	.3980
22	.122	.4960	.4960	.4807	.6493	1.1893	.4109
23	.128	.4280	.4280	.4107	.5795	1.0677	.3688
24	.133	.3920	.3920	.3767	.5602	1.0325	.3567
25	.139	.3810	.3810	.2957	.4694	.8203	.2862
26	.144	.1680	.1680	.1527	.2947	.4695	.1622
27	.150	.1260	.1260	.1107	.1963	.3618	.1250
28	.156	.1590	.1590	.1397	.2643	.4871	.1683
29	.161	.1910	.1910	.1387	.2745	.5059	.1748
30	.167	.1080	.1080	.0927	.2012	.3708	.1281
31	.172	.0891	.0891	.0498	.1627	.3000	.1036
32	.178	.0897	.0897	.0744	.1872	.3451	.1192
33	.183	.0781	.0781	.0628	.1707	.3145	.1087
34	.189	.0561	.0561	.0388	.1443	.2107	.0728
35	.194	.0477	.0477	.0324	.1037	.1911	.0660
36	.200	.0636	.0636	.0483	.1685	.3106	.1073
37	.206	.0657	.0657	.0504	.1919	.3537	.1222
38	.211	.0457	.0457	.0304	.1268	.2336	.0807
39	.217	.0355	.0355	.0202	.0925	.1705	.0589
40	.222	.0376	.0364	.0211	.1065	.1964	.0678
41	.228	.0367	.0337	.0184	.1023	.1890	.0653
42	.233	.0278	.0290	.0137	.0842	.1552	.0536
43	.239	.0257	.0255	.0102	.0693	.1277	.0441
44	.244	.0227	.0224	.0071	.0537	.0990	.0342
45	.250	.0185	.0206	.0053	.0445	.0819	.0283
46	.256	.0226	.0224	.0071	.0667	.1229	.0425
47	.261	.0258	.0239	.0086	.0863	.1591	.0550
48	.267	.0197	.0204	.0051	.0681	.1108	.0383
49	.272	.0163	.0176	.0023	.0309	.0569	.0197
50	.278	.0182	.0188	.0035	.0526	.0969	.0335
51	.283	.0225	.0211	.0058	.0995	.1835	.0634
52	.289	.0214	.0210	.0057	.1100	.2028	.0701
53	.294	.0187	.0194	.0041	.0899	.1657	.0572
54	.300	.0188	.0175	.0022	.0562	.0998	.0345
55	.306	.0136	.0141	.0000	.0000	.0000	.0000
56	.311	.0104	.0117	.0000	.0000	.0000	.0000
57	.317	.0125	.0118	.0000	.0000	.0000	.0000
58	.322	.0117	.0119	.0000	.0000	.0000	.0000
59	.328	.0116	.0121	.0000	.0000	.0000	.0000
60	.333	.0135	.0129	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 24/12/59 AV. T= 8.4 RECORD = JH814
HOUR = 6 SIG.HGT. = 29.5 UPPER HGT. = 27.7
TOTAL DP =192 CORR. VAR. = 40.5 LOWER HGT. = 29.4
NOISE LEVEL = .0263 WIND SPEED = 0

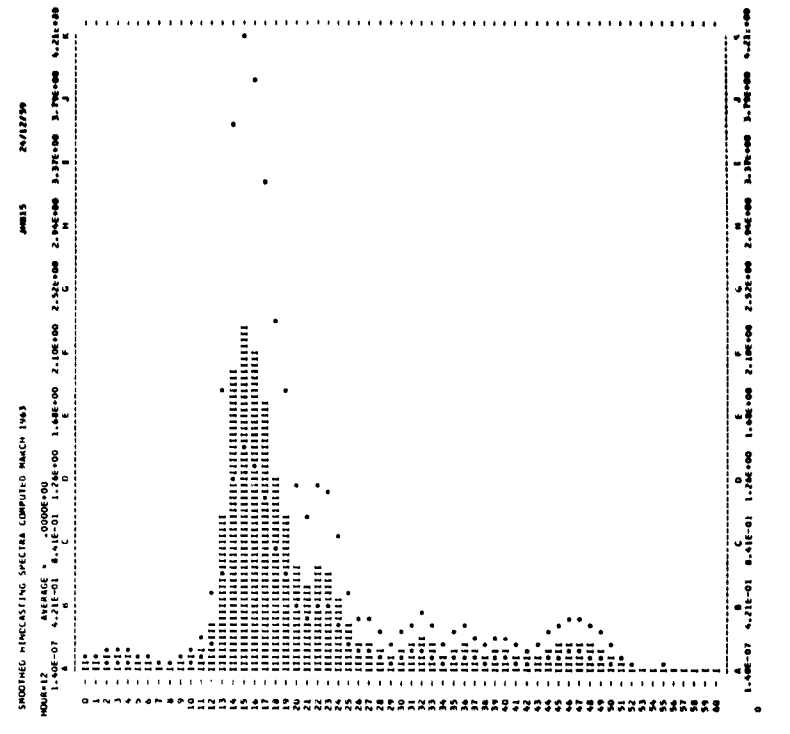
N	FRQ.	UNIT=FT.2	FILTERED -NOISE		CORR.FT.2	UPPER	LOWER
0	.000	1.1078	1.1078	1.0815	1.0815	1.9933	.6886
1	.006	1.1000	1.1000	1.0737	1.0737	1.9789	.6836
2	.011	.7740	.7740	.7477	.7477	1.3780	.4761
3	.017	.3290	.3290	.3027	.3027	.5578	.1927
4	.022	.2080	.2080	.1817	.1817	.3348	.1157
5	.028	.1760	.1760	.1497	.1497	.2758	.0953
6	.033	.1220	.1270	.0957	.1507	.2778	.0960
7	.039	.0826	.0826	.0563	.0747	.1377	.0476
8	.044	.0941	.0941	.0678	.0807	.1487	.0514
9	.050	.0684	.0684	.0401	.0445	.0819	.0283
10	.056	.4341	.4341	.4078	.4336	.7989	.2760
11	.061	1.8930	1.8930	1.8667	1.9367	3.5695	1.2331
12	.067	3.4571	3.4571	3.4308	3.5189	6.4859	2.2406
13	.072	3.7020	3.7020	3.6757	3.7712	6.9509	2.4013
14	.078	3.1804	3.1804	3.1541	3.2437	5.9787	2.0654
15	.083	3.1490	3.1490	3.1187	3.2790	6.0436	2.0878
16	.089	2.9717	2.9717	2.9454	3.1318	5.7724	1.9941
17	.094	2.4768	2.4768	2.4465	2.7016	4.9798	1.7202
18	.100	1.9926	1.9926	1.9663	2.1265	3.9159	1.3528
19	.106	1.4177	1.4372	1.4109	1.6655	3.0698	1.0605
20	.111	1.2200	1.2200	1.1937	1.4658	2.7017	.9333
21	.117	.7820	.7820	.7557	.9685	1.7851	.6167
22	.122	.5290	.5290	.5027	.6696	1.2338	.4262
23	.128	.3870	.3870	.3607	.5087	.9376	.3239
24	.133	.2310	.2310	.2047	.3043	.5609	.1938
25	.139	.1930	.1930	.1667	.2622	.4832	.1669
26	.144	.1630	.1630	.1167	.1940	.3587	.1239
27	.150	.1970	.1970	.0807	.1630	.2837	.0911
28	.156	.1190	.1190	.0927	.1753	.3231	.1116
29	.161	.1920	.1520	.1257	.2562	.4685	.1619
30	.167	.1630	.1630	.1167	.2932	.4867	.1812
31	.172	.0935	.0935	.0672	.1866	.2887	.0997
32	.178	.1256	.1298	.0987	.2683	.4977	.1581
33	.183	.1840	.1840	.1577	.4285	.7898	.2729
34	.189	.1560	.1900	.1237	.3049	.6719	.2321
35	.194	.0700	.0700	.0563	.1617	.2612	.0902
36	.200	.0712	.0712	.0448	.1565	.2685	.0997
37	.206	.1900	.1900	.1237	.4710	.8681	.2999
38	.211	.1410	.1410	.1147	.4703	.8815	.3049
39	.217	.0818	.0818	.0555	.2541	.4896	.1818
40	.222	.0726	.0764	.0468	.2421	.4662	.1842
41	.228	.0709	.0685	.0422	.2367	.4326	.1695
42	.233	.0660	.0611	.0348	.2139	.3963	.1362
43	.239	.0536	.0539	.0278	.1881	.3467	.1198
44	.244	.0485	.0476	.0211	.1681	.2998	.1019
45	.250	.0392	.0435	.0150	.1268	.2337	.0807
46	.256	.0385	.0402	.0139	.1313	.2420	.0836
47	.261	.0468	.0430	.0167	.1764	.3252	.1124
48	.267	.0408	.0428	.0165	.1961	.3616	.1248
49	.272	.0306	.0387	.0124	.1652	.3044	.1052
50	.278	.0336	.0337	.0074	.1117	.2059	.0711
51	.283	.0292	.0290	.0035	.0596	.1099	.0378
52	.289	.0273	.0276	.0022	.0230	.0424	.0152
53	.294	.0265	.0252	.0000	.0000	.0000	.0000
54	.300	.0207	.0229	.0000	.0000	.0000	.0000
55	.306	.0230	.0242	.0000	.0230	.0438	.0151
56	.311	.0484	.0269	.0109	.1656	.3370	.1201
57	.317	.0429	.0282	.0119	.1677	.3252	.1241
58	.322	.0267	.0275	.0012	.0501	.0924	.0319
59	.328	.0137	.0161	.0000	.0000	.0000	.0000
60	.333	.0101	.0120	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 24/12/59 AV. T= 8.0 RECORD = JMB15
HOUR = 12 SIG.HGT. = 17.6 UPPER HGT. = 19.1
TOTAL DF =159 CORR. VAR. = 19.0 LOWER HGT. = 15.9
NOISE LEVEL = .0106 WIND SPEED = 0

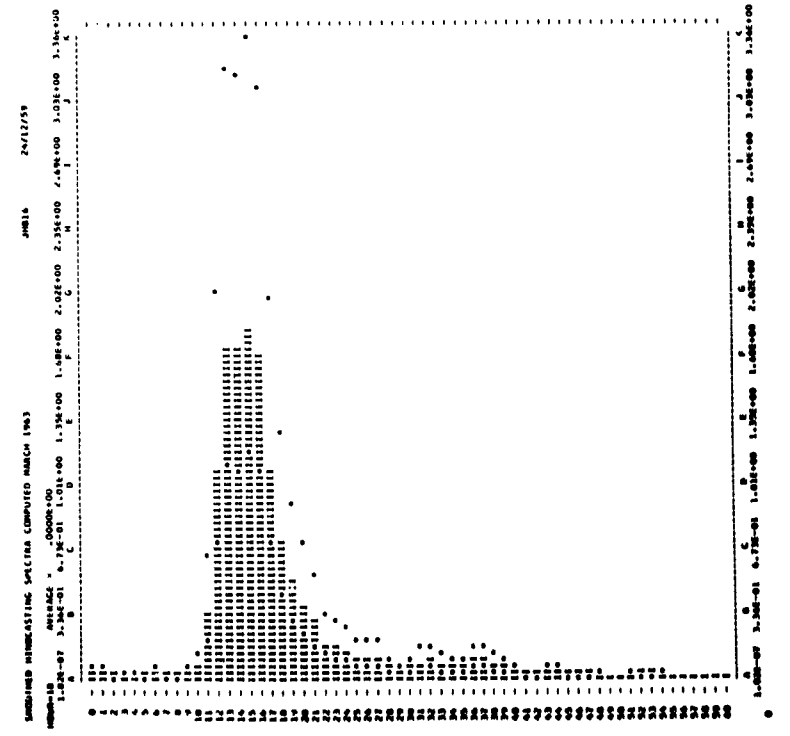
N	FRQ. UNIT=PT.2	FILTERED	-NOISE	CORR.PT.2	UPPER	LOWER
0	.000	.0941	.0941	.0435	.0435	.0801	.0277
1	.006	.0662	.0662	.0596	.0596	.1026	.0356
2	.011	.0845	.0845	.0739	.0739	.1361	.0470
3	.017	.0902	.0902	.0796	.0796	.1466	.0507
4	.022	.0798	.0798	.0682	.0652	.1201	.0415
5	.028	.0971	.0971	.0468	.0468	.0856	.0296
6	.033	.0405	.0405	.0299	.0470	.0867	.0300
7	.039	.0265	.0265	.0139	.0184	.0339	.0117
8	.044	.0239	.0239	.0133	.0158	.0291	.0101
9	.050	.0449	.0449	.0343	.0380	.0701	.0242
10	.056	.0796	.0796	.0688	.0731	.1347	.0465
11	.061	.1280	.1280	.1176	.1218	.2246	.0775
12	.067	.2840	.2840	.2736	.2804	.5168	.1785
13	.072	.4925	.4925	.4719	.4971	1.8376	.6349
14	.078	1.9157	1.9157	1.9051	1.9717	3.6342	1.2555
15	.083	2.1813	2.1813	2.1707	2.2822	4.2065	1.4532
16	.089	1.9986	1.9986	1.9880	2.1138	3.8980	1.3459
17	.094	1.6092	1.6092	1.5986	1.7638	3.2510	1.1231
18	.100	1.1200	1.1200	1.1094	1.2629	2.3277	.8041
19	.106	.8530	.8530	.8424	.9964	1.8328	.6332
20	.111	.5980	.5980	.5874	.6722	1.2389	.4280
21	.117	.4370	.4370	.4264	.5465	1.0072	.3480
22	.122	.4490	.4490	.4384	.4556	1.2083	.4174
23	.128	.4640	.4640	.4534	.6395	1.1786	.4072
24	.133	.3340	.3340	.3234	.4809	.8863	.3062
25	.139	.1860	.1860	.1754	.2759	.5084	.1756
26	.144	.1230	.1230	.1124	.1875	.3455	.1194
27	.150	.1130	.1130	.1024	.1815	.3346	.1156
28	.156	.0796	.0796	.0690	.1305	.2404	.0831
29	.161	.0589	.0589	.0483	.0976	.1799	.0622
30	.167	.0694	.0694	.0588	.1275	.2351	.0812
31	.172	.0820	.0820	.0714	.1664	.3067	.1060
32	.178	.0889	.0889	.0783	.1970	.3630	.1254
33	.183	.0673	.0673	.0567	.1540	.2838	.0981
34	.189	.0414	.0414	.0308	.0907	.1671	.0577
35	.194	.0499	.0499	.0393	.1257	.2317	.0800
36	.200	.0537	.0537	.0431	.1503	.2770	.0957
37	.206	.0388	.0388	.0282	.1072	.1977	.0683
38	.211	.0307	.0307	.0201	.0837	.1542	.0533
39	.217	.0347	.0347	.0241	.1102	.2032	.0702
40	.222	.0365	.0334	.0228	.1147	.2114	.0730
41	.228	.0259	.0269	.0163	.0907	.1672	.0577
42	.233	.0195	.0275	.0119	.0732	.1350	.0466
43	.239	.0253	.0252	.0146	.0995	.1833	.0633
44	.244	.0308	.0289	.0182	.1383	.2549	.0881
45	.250	.0284	.0293	.0187	.1577	.2906	.1004
46	.256	.0292	.0289	.0182	.1722	.3174	.1096
47	.261	.0285	.0274	.0168	.1778	.3277	.1132
48	.267	.0236	.0242	.0136	.1613	.2974	.1027
49	.272	.0217	.0208	.0101	.1355	.2497	.0863
50	.278	.0171	.0171	.0065	.0982	.1809	.0625
51	.283	.0132	.0137	.0031	.0530	.0977	.0338
52	.289	.0115	.0113	.0006	.0122	.0226	.0078
53	.294	.0089	.0107	.0000	.0000	.0000	.0000
54	.300	.0103	.0104	.0000	.0000	.0000	.0000
55	.306	.0123	.0113	.0007	.0196	.0360	.0125
56	.311	.0104	.0107	.0001	.0019	.0035	.0012
57	.317	.0097	.0101	.0000	.0000	.0000	.0000
58	.322	.0105	.0101	.0000	.0000	.0000	.0000
59	.328	.0097	.0096	.0000	.0000	.0000	.0000
60	.333	.0087	.0092	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 24/12/59 AV. T= 9.6 RECORD = JMB16
HOUR = 18 SIG.HGT. = 14.8 UPPER HGT. = 16.4
TOTAL DF =117 CORR. VAR. = 13.6 LOWER HGT. = 13.3
NOISE LEVEL = .0092 WIND SPEED = 0

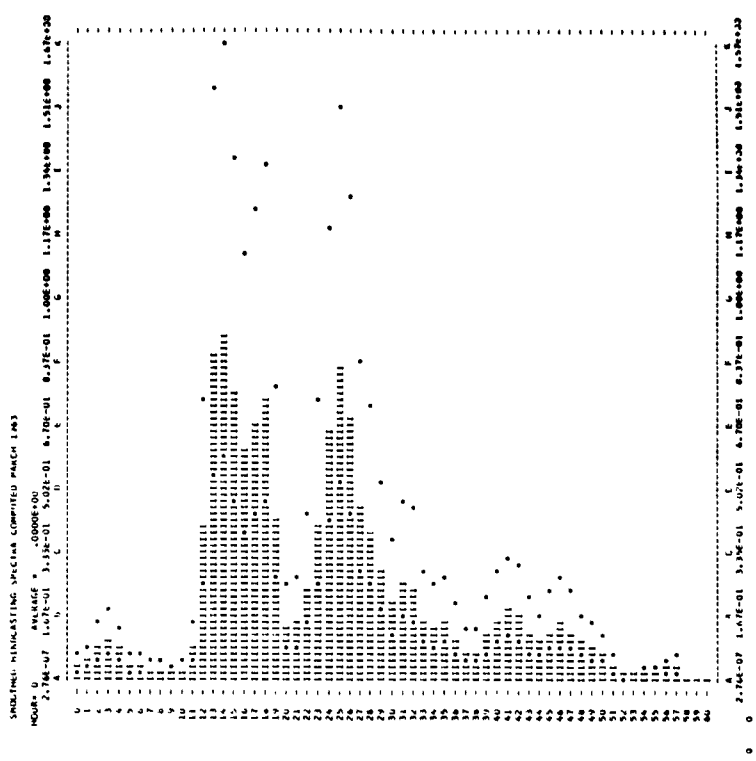
N	FRQ. UNIT=PT.2	FILTERED	-NOISE	CORR.PT.2	UPPER	LOWER
0	.000	.0428	.0428	.0396	.0396	.0729	.0252
1	.006	.0363	.0363	.0331	.0331	.0609	.0210
2	.011	.0241	.0241	.0209	.0209	.0384	.0133
3	.017	.0175	.0175	.0143	.0143	.0263	.0091
4	.022	.0198	.0198	.0166	.0166	.0305	.0105
5	.028	.0223	.0223	.0191	.0191	.0351	.0121
6	.033	.0212	.0212	.0180	.0283	.0521	.0180
7	.039	.0230	.0230	.0198	.0262	.0483	.0167
8	.044	.0246	.0246	.0212	.0252	.0464	.0160
9	.050	.0290	.0290	.0258	.0286	.0527	.0182
10	.056	.0804	.0804	.0772	.0820	.1512	.0522
11	.061	.3318	.3318	.3286	.3409	.6283	.2171
12	.067	1.0684	1.0684	1.0652	1.0925	2.0137	.6957
13	.072	1.4915	1.4915	1.4883	1.7722	3.1926	1.1029
14	.078	1.6579	1.6579	1.6547	1.7126	3.1565	1.0905
15	.083	1.7390	1.7390	1.7358	1.8250	3.3637	1.1620
16	.089	1.5900	1.5900	1.5868	1.6872	3.1098	1.0743
17	.094	.9860	.9860	.9828	1.0844	1.9987	.6905
18	.100	.6150	.6150	.6118	.6964	1.2836	.4434
19	.106	.4210	.4210	.4178	.4932	.9090	.3140
20	.111	.3140	.3140	.3108	.3816	.7034	.2430
21	.117	.2280	.2280	.2248	.2881	.5310	.1834
22	.122	.1410	.1410	.1378	.1849	.3408	.1177
23	.128	.1190	.1190	.1158	.1633	.3009	.1040
24	.133	.0999	.0999	.0967	.1437	.2649	.0915
25	.139	.0761	.0704	.0672	.1115	.2054	.0710
26	.144	.0704	.0704	.0672	.1120	.2065	.0713
27	.150	.0622	.0622	.0590	.1046	.1727	.0666
28	.156	.0312	.0312	.0280	.0529	.0975	.0337
29	.161	.0236	.0236	.0204	.0412	.0759	.0262
30	.167	.0307	.0307	.0275	.0596	.1098	.0379
31	.172	.0389	.0389	.0393	.0822	.1516	.0524
32	.178	.0397	.0397	.0365	.0918	.1691	.0584
33	.183	.0319	.0319	.0283	.0768	.1416	.0489
34	.189	.0228	.0228	.0196	.0577	.1063	.0367
35	.194	.0222	.0222	.0190	.0607	.1119	.0386
36	.200	.0277	.0277	.0245	.0854	.1573	.0543
37	.206	.0260	.0260	.0228	.0867	.1598	.0552
38	.211	.0219	.0219	.0187	.0778	.1435	.0496
39	.217	.0171	.0171	.0139	.0635	.1170	.0404
40	.222	.0090	.0100	.0068	.0343	.0632	.0218
41	.228	.0051	.0063	.0031	.0170	.0313	.0108
42	.233	.0060	.0063	.0031	.0190	.0349	.0121
43	.239	.0082	.0076	.0044	.0297	.0548	.0189
44	.244	.0088	.0075	.0052	.0321	.0592	.0204
45	.250	.0057	.0060	.0028	.0235	.0433	.0150
46	.256	.0047	.0051	.0018	.0173	.0319	.0110
47	.261	.0052	.0049	.0016	.0173	.0318	.0110
48	.267	.0044	.0042	.0010	.0120	.0221	.0076
49	.272	.0030	.0033	.0001	.0014	.0026	.0009
50	.278	.0030	.0033	.0001	.0009	.0016	.0006
51	.283	.0042	.0040	.0008	.0138	.0254	.0088
52	.289	.0048	.0046	.0013	.0258	.0475	.0164
53	.294	.0045	.0044	.0012	.0268	.0480	.0166
54	.300	.0029	.0030	.0005	.0134	.0246	.0085
55	.306	.0028	.0029	.0000	.0000	.0000	.0000
56	.311	.0023	.0029	.0000	.0000	.0000	.0000
57	.317	.0025	.0026	.0000	.0000	.0000	.0000
58	.322	.0032	.0029	.0000	.0000	.0000	.0000
59	.328	.0026	.0029	.0000	.0000	.0000	.0000
60	.333	.0017	.0021	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1983

DATE = 18/08/89 — AV. Tz = 7.0 — RECORD = JNR17
HOUR = 0 — SIG.HGT. = 14.5 — UPPER HGT. = 15.5
TOTAL OF =263 — CURR. VAR. = 13.1 — LOWER HGT. = 13.5
NOISE LEVEL = .0093 — WIND SPEED = 0

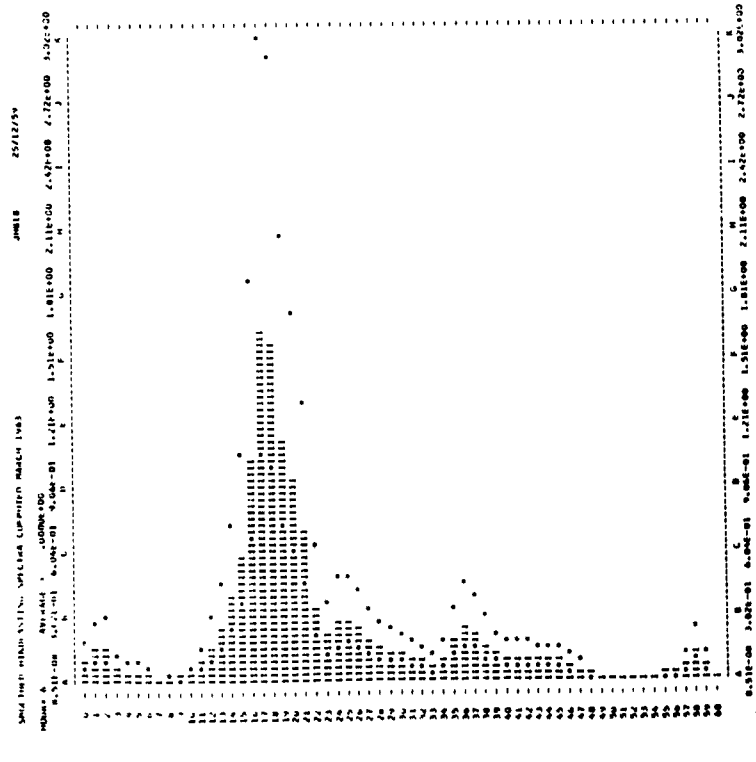
N	FRQ.	UNIT=PT.2	FILTERED	-NOISE	CORR.PT.2	UPPER	LOWER
0	.000	.0388	.0388	.0335	.0335	.0617	.0213
1	.006	.0919	.0919	.0466	.0466	.0858	.0296
2	.011	.0872	.0872	.0819	.0819	.1509	.0521
3	.017	.1090	.1090	.1037	.1037	.1911	.0660
4	.022	.0809	.0809	.0756	.0756	.1393	.0481
5	.028	.0431	.0431	.0378	.0378	.0696	.0240
6	.033	.0303	.0303	.0250	.0193	.0728	.0230
7	.039	.0234	.0234	.0181	.0240	.0442	.0153
8	.044	.0245	.0245	.0192	.0228	.0421	.0145
9	.050	.0215	.0215	.0162	.0179	.0331	.0114
10	.056	.0288	.0288	.0235	.0269	.0460	.0159
11	.061	.0814	.0814	.0761	.0788	.1454	.0502
12	.067	.3960	.3960	.3907	.3986	.7368	.2538
13	.072	.8300	.8300	.8267	.9681	1.9095	.5307
14	.078	.8830	.8830	.8777	.9084	1.6763	.5784
15	.083	.7140	.7140	.7087	.7681	1.3733	.4744
16	.089	.5760	.5760	.5707	.6068	1.1184	.3864
17	.094	.6190	.6190	.6087	.6716	1.2378	.4276
18	.100	.6530	.6530	.6477	.7375	1.349	.4695
19	.106	.3620	.3620	.3567	.4210	.7760	.2881
20	.111	.1180	.1180	.1127	.1383	.2550	.0881
21	.117	.1180	.1180	.1127	.1444	.2661	.0919
22	.122	.1820	.1820	.1767	.2171	.4171	.1510
23	.128	.2870	.2870	.2817	.3973	.7322	.2530
24	.133	.4390	.4390	.4337	.6449	1.1886	.4106
25	.139	.5270	.5270	.5217	.8206	1.5125	.5225
26	.144	.6170	.6170	.6117	.9868	1.2899	.6373
27	.150	.2540	.2540	.2537	.4429	.8292	.2865
28	.156	.2100	.2100	.2047	.3872	.7136	.2465
29	.161	.1440	.1440	.1387	.2805	.5170	.1786
30	.167	.0956	.0956	.0903	.1958	.3611	.1247
31	.172	.1130	.1130	.1077	.2511	.4628	.1599
32	.178	.1010	.1010	.0957	.2408	.4438	.1533
33	.183	.0621	.0621	.0568	.1543	.2844	.0982
34	.189	.0516	.0516	.0463	.1364	.2513	.0868
35	.194	.0512	.0512	.0459	.1488	.2708	.0935
36	.200	.0353	.0353	.0300	.1046	.1927	.0666
37	.206	.0245	.0245	.0192	.0730	.1345	.0465
38	.211	.0228	.0228	.0175	.0728	.1342	.0464
39	.217	.0303	.0303	.0250	.1164	.2108	.0728
40	.222	.0374	.0199	.0106	.1562	.2842	.0982
41	.228	.0384	.0370	.0317	.1762	.3248	.1122
42	.233	.0336	.0316	.0263	.1618	.2983	.1030
43	.239	.0206	.0224	.0171	.2148	.3742	.0742
44	.244	.0167	.0179	.0125	.0951	.1752	.0605
45	.250	.0215	.0200	.0147	.1239	.2284	.0789
46	.256	.0223	.0206	.0153	.1446	.2665	.0921
47	.261	.0165	.0171	.0117	.1241	.2288	.0790
48	.267	.0130	.0133	.0080	.0951	.1754	.0606
49	.272	.0109	.0111	.0080	.0797	.1469	.0507
50	.278	.0104	.0098	.0065	.0677	.1247	.0431
51	.283	.0076	.0076	.0022	.0381	.0703	.0243
52	.289	.0047	.0058	.0005	.0094	.0173	.0060
53	.294	.0063	.0059	.0006	.0134	.0247	.0085
54	.300	.0065	.0061	.0008	.0177	.0363	.0125
55	.306	.0052	.0058	.0005	.0139	.0256	.0088
56	.311	.0064	.0063	.0009	.0307	.0566	.0195
57	.317	.0071	.0063	.0010	.0371	.0684	.0236
58	.322	.0047	.0047	.0000	.0000	.0000	.0000
59	.328	.0024	.0028	.0000	.0000	.0000	.0000
60	.333	.0016	.0020	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1983

DATE = 25/12/59 — AV. Tz = 7.5 — RECORD = JNR18
HOUR = 6 — SIG.HGT. = 14.6 — UPPER HGT. = 15.9
TOTAL OF =171 — CURR. VAR. = 13.3 — LOWER HGT. = 13.3
NOISE LEVEL = .0081 — WIND SPEED = 0

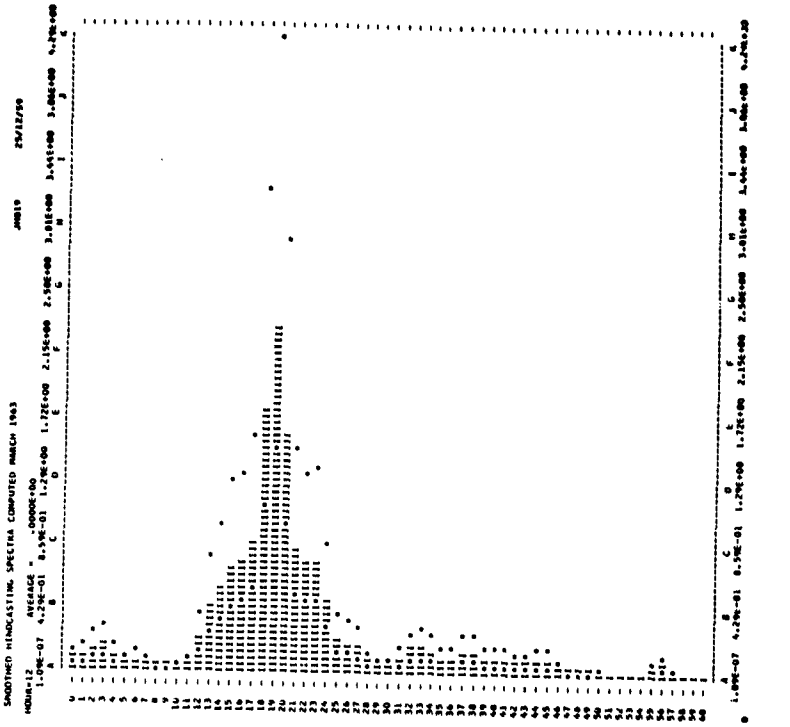
N	FRQ.	UNIT=PT.2	FILTERED	-NOISE	CORR.PT.2	UPPER	LOWER
0	.000	.1032	.1032	.0951	.0951	.1753	.0605
1	.006	.1600	.1600	.1519	.1519	.2749	.0967
2	.011	.1490	.1490	.1409	.1409	.2965	.1044
3	.017	.0799	.0799	.0718	.0718	.1323	.0457
4	.022	.0491	.0491	.0410	.0410	.0755	.0261
5	.028	.0506	.0506	.0425	.0425	.0783	.0271
6	.033	.0279	.0279	.0198	.0312	.0575	.0198
7	.039	.0131	.0131	.0050	.0066	.0122	.0042
8	.044	.0184	.0184	.0083	.0094	.0182	.0063
9	.050	.0219	.0219	.0138	.0151	.0282	.0097
10	.056	.0358	.0358	.0277	.0294	.0562	.0187
11	.061	.0906	.0906	.0825	.0856	.1577	.0545
12	.067	.1630	.1630	.1549	.1589	.2928	.1012
13	.072	.2540	.2540	.2459	.2623	.4690	.1606
14	.078	.3940	.3940	.3859	.3994	.7361	.2543
15	.083	.5480	.5480	.5399	.5676	1.0462	.3614
16	.089	.9697	.9697	.9616	1.0225	1.8845	.6510
17	.094	1.4935	1.4935	1.4854	1.6390	3.0209	1.0436
18	.100	1.4000	1.4000	1.3919	1.5845	2.9205	1.0089
19	.106	.9670	.9670	.9589	1.1320	2.0864	.7208
20	.111	.7640	.7640	.7559	.8782	1.7109	.5910
21	.117	.5580	.5580	.5499	.7068	1.2390	.4468
22	.122	.2670	.2670	.2589	.3608	.6782	.2170
23	.128	.1500	.1500	.1419	.2001	.3689	.1274
24	.133	.1830	.1830	.1749	.2601	.4794	.1656
25	.139	.1790	.1790	.1709	.2498	.4555	.1712
26	.144	.1490	.1490	.1389	.2204	.4249	.1454
27	.150	.1110	.1110	.1029	.1665	.3363	.1167
28	.156	.0818	.0818	.0737	.1334	.2569	.0888
29	.161	.0750	.0750	.0669	.1353	.2694	.0967
30	.167	.0869	.0869	.0788	.1629	.3236	.1170
31	.172	.0590	.0590	.0449	.1067	.1429	.0867
32	.178	.0413	.0413	.0332	.0835	.1654	.0532
33	.183	.0310	.0310	.0229	.0672	.1167	.0396
34	.189	.0405	.0405	.0324	.0795	.1760	.0668
35	.194	.0496	.0496	.0415	.1041	.2392	.1172
36	.200	.0771	.0771	.0690	.2408	.4437	.1533
37	.206	.0681	.0681	.0580	.2207	.4071	.1468
38	.211	.0676	.0676	.0593	.1819	.3071	.1067
39	.217	.0344	.0344	.0263	.1205	.2220	.0767
40	.222	.0286	.0277	.0196	.0890	.1824	.0630
41	.228	.0236	.0244	.0163	.0907	.1672	.0578
42	.233	.0263	.0231	.0150	.0923	.1702	.0588
43	.239	.0209	.0209	.0128	.0875	.1613	.0557
44	.244	.0132	.0111	.0030	.0861	.1590	.0535
45	.250	.0193	.0182	.0101	.0850	.1567	.0541
46	.256	.0196	.0155	.0074	.0695	.1281	.0443
47	.261	.0116	.0120	.0039	.0446	.0767	.0269
48	.267	.0098	.0095	.0014	.0170	.0314	.0109
49	.272	.0072	.0073	.0000	.0000	.0000	.0000
50	.278	.0049	.0095	.0000	.0000	.0000	.0000
51	.283	.0050	.0051	.0000	.0000	.0000	.0000
52	.289	.0057	.0058	.0000	.0000	.0000	.0000
53	.294	.0061	.0065	.0000	.0000	.0000	.0000
54	.300	.0081	.0080	.0000	.0000	.0000	.0000
55	.306	.0096	.0088	.0007	.0196	.0362	.0125
56	.311	.0079	.0087	.0006	.0172	.0356	.0122
57	.317	.0064	.0069	.0010	.0663	.1221	.0422
58	.322	.0128	.0111	.0030	.1317	.2427	.0838
59	.328	.0096	.0095	.0014	.0756	.1361	.0469
60	.333	.0061	.0078	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 25/12/59 AV. T= 7.9 RECORD = JH819
HOUR = 12 SIG.HGT. = 15.7 UPPER HGT. = 17.2
TOTAL DF =150 CORR. VAR. = 15.6 LOWER HGT. = 14.3
NOISE LEVEL = .0061 WIND SPEED = 0

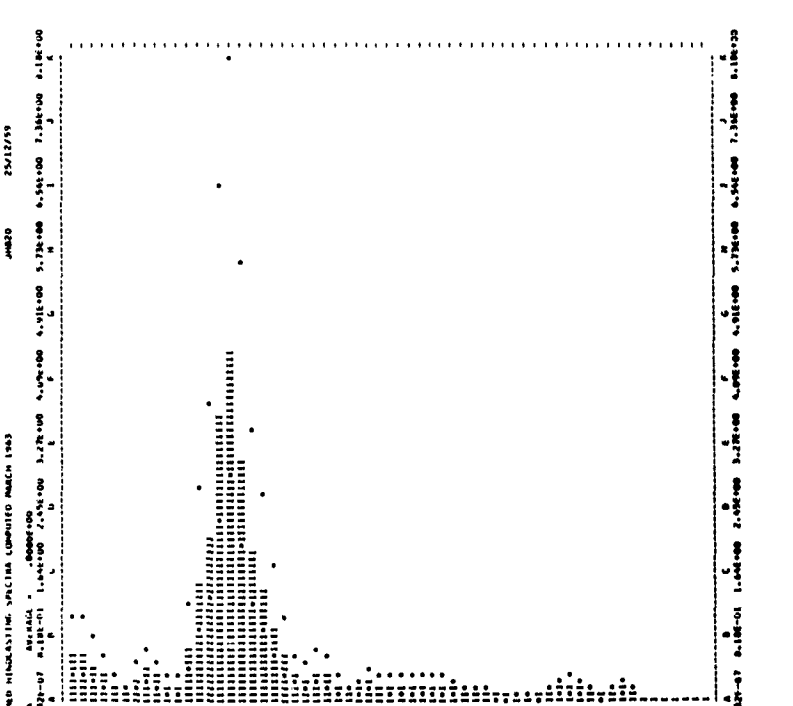
N	FRQ.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0713	.0713	.0652	.0652	.1202	.0615
1	.006	.0907	.0907	.0846	.0846	.1559	.0939
2	.011	.1520	.1520	.1459	.1459	.2689	.0029
3	.017	.1690	.1690	.1629	.1629	.3003	.1037
4	.022	.0967	.0967	.0906	.0906	.1670	.0977
5	.028	.0488	.0488	.0427	.0427	.0787	.0272
6	.033	.0443	.0443	.0382	.0602	.1109	.0383
7	.039	.0362	.0362	.0301	.0400	.0737	.0256
8	.044	.0281	.0281	.0220	.0262	.0483	.0167
9	.050	.0267	.0267	.0206	.0229	.0421	.0146
10	.056	.0222	.0222	.0161	.0171	.0315	.0109
11	.061	.0510	.0510	.0449	.0466	.0859	.0297
12	.067	.2040	.2040	.1979	.2030	.3741	.1293
13	.072	.4080	.4080	.4019	.4124	.7600	.2626
14	.078	.9320	.9320	.9259	.9443	1.0032	.3666
15	.083	.6700	.6700	.6639	.6980	1.2866	.4665
16	.089	.6800	.6800	.6739	.7186	1.3207	.4563
17	.094	.7781	.7781	.7720	.8518	1.5700	.5424
18	.100	1.5563	1.5563	1.5502	1.7648	3.2527	1.1237
19	.106	1.9795	1.9795	1.9736	2.3296	4.2938	1.4834
20	.111	1.2900	1.2900	1.2839	1.5766	2.9060	1.0038
21	.117	.6400	.6400	.6339	.8125	1.4975	.5173
22	.122	.5650	.5650	.5589	.7234	1.3334	.4606
23	.128	.9330	.9330	.9269	.7632	1.3698	.4732
24	.133	.3250	.3250	.3189	.4742	.8761	.3020
25	.139	.1450	.1450	.1389	.2185	.4027	.1391
26	.144	.1210	.1210	.1149	.1917	.3533	.1221
27	.150	.0938	.0938	.0877	.1565	.2867	.0990
28	.156	.0489	.0489	.0428	.0810	.1492	.0516
29	.161	.0301	.0301	.0240	.0486	.0895	.0309
30	.167	.0280	.0280	.0219	.0475	.0876	.0303
31	.172	.0460	.0460	.0399	.0951	.1715	.0593
32	.178	.0660	.0660	.0599	.1508	.2779	.0960
33	.183	.0657	.0657	.0596	.1620	.2986	.1032
34	.189	.0516	.0514	.0455	.1361	.2472	.0854
35	.194	.0377	.0377	.0316	.1012	.1865	.0644
36	.200	.0358	.0358	.0297	.1037	.1911	.0660
37	.206	.0449	.0449	.0388	.1478	.2724	.0941
38	.211	.0417	.0417	.0356	.1485	.2737	.0946
39	.217	.0277	.0277	.0216	.0990	.1825	.0630
40	.222	.0252	.0294	.0193	.0973	.1793	.0620
41	.228	.0235	.0222	.0161	.0896	.1651	.0570
42	.233	.0166	.0184	.0123	.0755	.1392	.0481
43	.239	.0168	.0176	.0115	.0703	.1443	.0498
44	.244	.0201	.0186	.0125	.0946	.1744	.0603
45	.250	.0173	.0165	.0104	.0861	.1624	.0561
46	.256	.0114	.0120	.0060	.0562	.1036	.0358
47	.261	.0081	.0089	.0028	.0299	.0551	.0190
48	.267	.0081	.0083	.0022	.0262	.0482	.0167
49	.272	.0089	.0084	.0023	.0308	.0567	.0196
50	.278	.0077	.0075	.0014	.0208	.0383	.0132
51	.283	.0056	.0059	.0000	.0000	.0000	.0000
52	.289	.0048	.0050	.0000	.0000	.0000	.0000
53	.294	.0048	.0050	.0000	.0000	.0000	.0000
54	.300	.0055	.0060	.0000	.0000	.0000	.0000
55	.306	.0084	.0078	.0018	.0309	.0939	.0324
56	.311	.0092	.0082	.0021	.0498	.1287	.0445
57	.317	.0061	.0064	.0003	.0123	.0227	.0079
58	.322	.0043	.0050	.0000	.0000	.0000	.0000
59	.328	.0055	.0054	.0000	.0000	.0000	.0000
60	.333	.0065	.0060	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 25/12/59 AV. T= 9.4 RECORD = JH820
HOUR = 15 SIG.HGT. = 21.2 UPPER HGT. = 23.4
TOTAL DF =138 CORR. VAR. = 20.1 LOWER HGT. = 19.2
NOISE LEVEL = .0081 WIND SPEED = 0

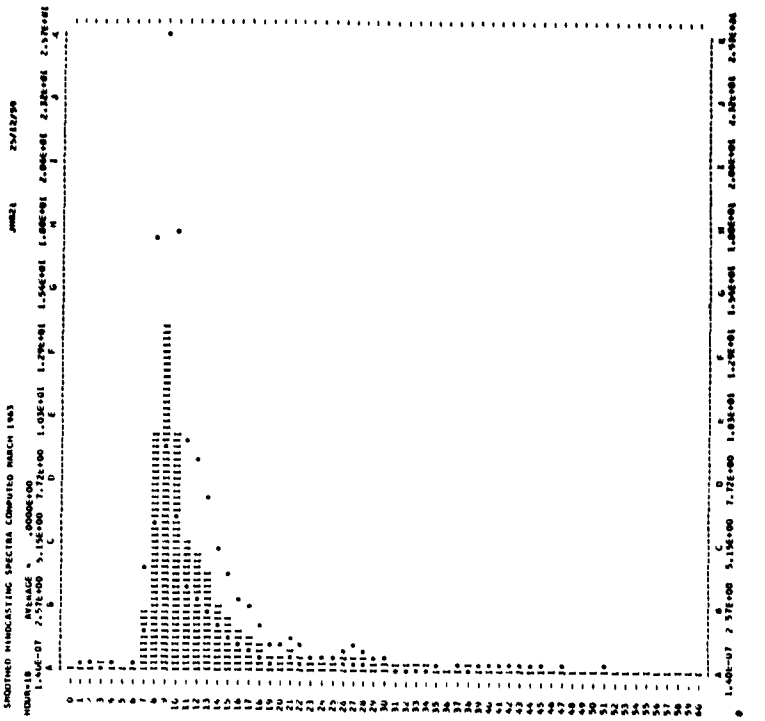
N	FRQ.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.5831	.5831	.5750	.5750	1.0598	.3661
1	.006	.5660	.5660	.5579	.5579	1.0283	.3552
2	.011	.4520	.4520	.4439	.4439	.8182	.2826
3	.017	.3210	.3210	.3129	.3129	.5767	.1992
4	.022	.2030	.2030	.1949	.1949	.3592	.1241
5	.028	.0932	.0932	.0851	.0851	.1568	.0542
6	.033	.1660	.1660	.1579	.2488	.4585	.1584
7	.039	.2910	.2910	.2829	.3756	.6923	.2392
8	.044	.2490	.2490	.2409	.2869	.5287	.1826
9	.050	.1750	.1750	.1669	.1852	.3414	.1179
10	.056	.1590	.1590	.1469	.1561	.2878	.0994
11	.061	.6404	.6404	.6323	.6560	1.2091	.4177
12	.067	1.4280	1.4280	1.4199	1.4584	2.6883	.9273
13	.072	1.9857	1.9857	1.9776	2.0290	3.7398	1.2919
14	.078	3.4470	3.4470	3.4389	3.5591	6.5602	2.2663
15	.083	6.2290	6.2290	6.2209	6.4378	8.1796	2.8258
16	.089	2.8487	2.8487	2.8406	3.0705	5.5670	1.9232
17	.094	1.7124	1.7124	1.7043	1.8805	3.4661	1.1974
18	.100	1.2600	1.2600	1.2519	1.4252	2.6268	.9075
19	.106	.7850	.7850	.7769	.9171	1.6904	.5840
20	.111	.4720	.4720	.4639	.5647	1.0500	.3627
21	.117	.2610	.2610	.2529	.3241	.5974	.2064
22	.122	.2040	.2040	.1959	.2630	.4867	.1674
23	.128	.2450	.2450	.2369	.3341	.6159	.2128
24	.133	.2180	.2180	.2099	.3092	.5698	.1969
25	.139	.1250	.1250	.1169	.1834	.3384	.1171
26	.144	.0617	.0617	.0536	.0896	.1648	.0569
27	.150	.0832	.0832	.0751	.1332	.2455	.0848
28	.156	.1240	.1240	.1159	.2142	.4061	.1396
29	.161	.1060	.1060	.0979	.1980	.3650	.1261
30	.167	.0800	.0800	.0719	.1560	.2876	.0994
31	.172	.0769	.0764	.0683	.1604	.2957	.1021
32	.178	.0784	.0784	.0683	.1719	.3168	.1094
33	.183	.0727	.0727	.0646	.1756	.3236	.1118
34	.189	.0667	.0667	.0606	.1786	.3292	.1137
35	.194	.0644	.0644	.0583	.1802	.3322	.1148
36	.200	.0502	.0502	.0421	.1469	.2707	.0935
37	.206	.0369	.0369	.0245	.1069	.1860	.0642
38	.211	.0276	.0276	.0195	.0813	.1499	.0518
39	.217	.0235	.0235	.0154	.0705	.1300	.0449
40	.222	.0217	.0207	.0126	.0685	.1170	.0404
41	.228	.0193	.0172	.0091	.0507	.0934	.0323
42	.233	.0139	.0146	.0065	.0399	.0736	.0254
43	.239	.0137	.0138	.0057	.0341	.0722	.0249
44	.244	.0161	.0148	.0067	.0507	.0935	.0323
45	.250	.0173	.0174	.0093	.0814	.1505	.0521
46	.256	.0225	.0221	.0140	.1374	.2540	.0883
47	.261	.0262	.0241	.0160	.1692	.3118	.1077
48	.267	.0215	.0203	.0122	.1451	.2674	.0924
49	.272	.0121	.0140	.0059	.0787	.1451	.0501
50	.278	.0103	.0117	.0036	.0565	.1505	.0347
51	.283	.0142	.0135	.0054	.0928	.1711	.0591
52	.289	.0155	.0145	.0064	.1237	.2279	.0787
53	.294	.0128	.0123	.0042	.0917	.1689	.0584
54	.300	.0080	.0085	.0004	.0098	.0180	.0062
55	.306	.0092	.0081	.0000	.0000	.0000	.0000
56	.311	.0060	.0059	.0000	.0000	.0000	.0000
57	.317	.0065	.0060	.0000	.0000	.0000	.0000
58	.322	.0049	.0051	.0000	.0000	.0000	.0000
59	.328	.0043	.0046	.0000	.0000	.0000	.0000
60	.333	.0048	.0049	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 25/12/59 AV. T= 12.7 RECORD = JHR21
HOUR = 18 SIG.HGT. = 32.3 UPPER HGT. = 36.4
TOTAL DF = 91 CORR. VAR. = 68.2 LOWER HGT. = 28.6
NOISE LEVEL = .0136 WIND SPEED = 0

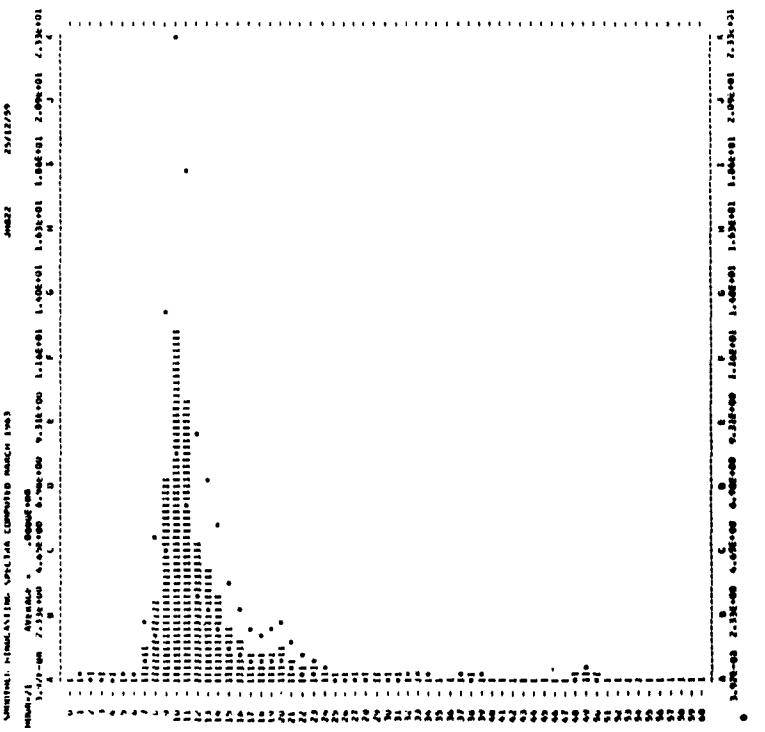
M	FRQ. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0668	.0668	.0532	.0932	.0330
1	.006	.0990	.0990	.0816	.1368	.0510
2	.011	.1378	.1378	.1234	.2174	.0786
3	.017	.1608	.1608	.1464	.2498	.0932
4	.022	.1180	.1180	.0964	.1776	.0614
5	.028	.0652	.0652	.0516	.0951	.0338
6	.033	.0711	.0711	.0575	.0909	.0377
7	.039	1.7174	1.7174	1.7038	2.2631	4.1104
8	.044	7.4979	7.4979	7.4843	9.4488	17.4362
9	.050	12.5972	12.5972	12.5836	13.9959	29.7483
10	.056	9.0621	9.0621	9.0285	9.5973	17.6892
11	.061	4.9193	4.9193	4.9057	5.0896	9.3089
12	.067	4.4784	4.4784	4.4648	4.5799	8.4687
13	.072	3.6738	3.6738	3.6602	3.7753	6.9216
14	.078	2.5594	2.5594	2.5458	2.6349	4.8565
15	.083	1.9883	1.9883	1.9747	2.0678	3.8112
16	.089	1.4784	1.4784	1.4648	1.5573	2.8707
17	.094	1.2380	1.2380	1.2184	1.3421	2.4738
18	.100	.8630	.8630	.8494	.9469	1.7822
19	.106	.5198	.5190	.5054	.5966	1.0996
20	.111	.5148	.5148	.5004	.6149	1.1328
21	.117	.5378	.5378	.5234	.6708	1.2364
22	.122	.3830	.3830	.3684	.4958	.9139
23	.128	.1808	.1808	.1664	.2367	.4329
24	.133	.1688	.1688	.1544	.2177	.4012
25	.139	.2178	.2170	.2024	.3199	.5897
26	.144	.2570	.2570	.2434	.4060	.7486
27	.150	.3060	.3060	.2904	.5190	.9642
28	.156	.2448	.2440	.2304	.4398	.8033
29	.161	.1680	.1680	.1544	.3123	.5756
30	.167	.1490	.1490	.1354	.2938	.5415
31	.172	.0936	.0936	.0800	.1865	.3437
32	.178	.0696	.0696	.0560	.1409	.2596
33	.183	.0825	.0825	.0689	.1872	.3450
34	.189	.0694	.0694	.0558	.1644	.3030
35	.194	.0410	.0410	.0274	.0876	.1615
36	.200	.0314	.0314	.0178	.0620	.1143
37	.206	.0404	.0404	.0268	.1020	.1879
38	.211	.0463	.0463	.0327	.1363	.2512
39	.217	.0404	.0404	.0268	.1227	.2261
40	.222	.0284	.0311	.0177	.0892	.1644
41	.228	.0281	.0296	.0159	.0887	.1634
42	.233	.0337	.0311	.0177	.1088	.2006
43	.239	.0298	.0296	.0160	.1089	.2008
44	.244	.0251	.0254	.0118	.0895	.1649
45	.250	.0217	.0221	.0085	.0716	.1319
46	.256	.0199	.0207	.0071	.0672	.1239
47	.261	.0215	.0203	.0066	.0703	.1296
48	.267	.0182	.0180	.0044	.0519	.0957
49	.272	.0161	.0161	.0027	.0360	.0664
50	.278	.0189	.0178	.0042	.0637	.1173
51	.283	.0195	.0178	.0042	.0711	.1311
52	.289	.0153	.0145	.0009	.0173	.0319
53	.294	.0130	.0125	.0000	.0000	.0000
54	.300	.0127	.0125	.0000	.0000	.0000
55	.306	.0127	.0128	.0000	.0000	.0000
56	.311	.0132	.0133	.0000	.0000	.0000
57	.317	.0143	.0140	.0006	.0139	.0257
58	.322	.0142	.0138	.0002	.0076	.0139
59	.328	.0125	.0128	.0000	.0000	.0000
60	.333	.0119	.0122	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 25/12/59 AV. T= 12.6 RECORD = JHR22
HOUR = 21 SIG.HGT. = 30.5 UPPER HGT. = 34.4
TOTAL DF = 88 CORR. VAR. = 58.0 LOWER HGT. = 26.9
NOISE LEVEL = .0108 WIND SPEED = 0

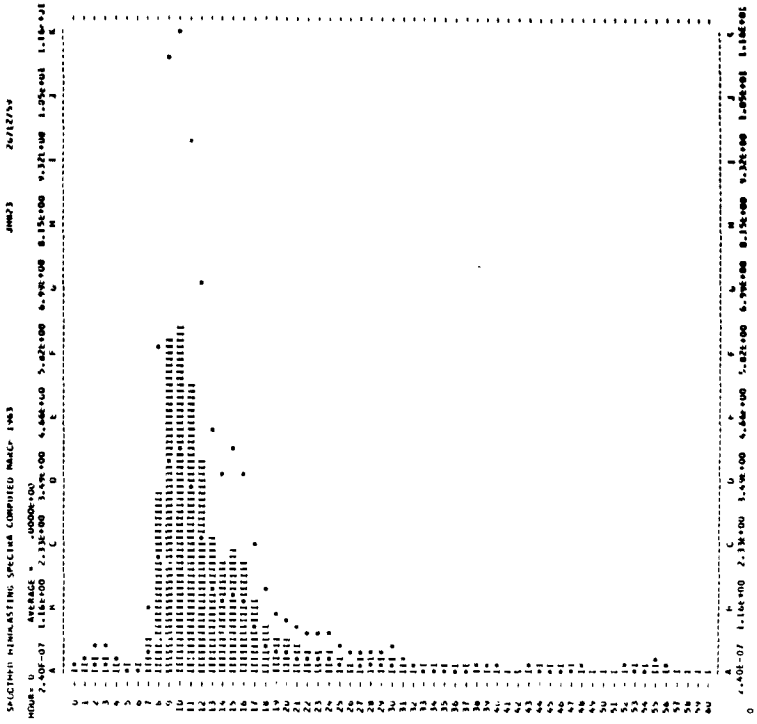
M	FRQ. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0689	.0689	.0521	.0961	.0332
1	.006	.0876	.0876	.0708	.1305	.0451
2	.011	.1430	.1430	.1262	.2326	.0804
3	.017	.1900	.1900	.1732	.3193	.1103
4	.022	.1570	.1570	.1402	.2585	.0893
5	.028	.1270	.1270	.1052	.1939	.0670
6	.033	.0900	.0900	.0732	.1154	.0735
7	.039	.8336	.8336	.8168	1.0845	1.9989
8	.044	2.3168	2.3168	2.3000	2.7389	5.0481
9	.050	6.5063	6.5063	6.4895	7.2827	13.2757
10	.056	11.8952	11.8952	11.8784	12.6268	23.2730
11	.061	9.6821	9.6821	9.6653	10.0278	18.4827
12	.067	4.7108	4.7108	4.6940	4.8147	8.8741
13	.072	3.8849	3.8849	3.8681	3.9867	7.3149
14	.078	2.9034	2.9034	2.8866	2.9877	5.5067
15	.083	1.8648	1.8648	1.8480	1.9430	3.5813
16	.089	1.3800	1.3800	1.3632	1.4499	2.6717
17	.094	.9400	.9400	.9232	1.0187	1.8776
18	.100	.8330	.8330	.8162	.9242	1.7126
19	.106	.8640	.8640	.8522	1.0060	1.8543
20	.111	.9260	.9260	.9082	1.1151	2.0557
21	.117	.6290	.6290	.6122	.7867	1.4503
22	.122	.3620	.3620	.3452	.4634	.8542
23	.128	.2750	.2750	.2582	.3642	.6715
24	.133	.1480	.1480	.1312	.1951	.3597
25	.139	.0980	.0980	.0812	.1278	.2355
26	.144	.1000	.1000	.0832	.1388	.2559
27	.150	.0959	.0959	.0791	.1401	.2582
28	.156	.1050	.1050	.0882	.1669	.3076
29	.161	.1080	.1080	.0912	.1845	.3401
30	.167	.0961	.0961	.0793	.1722	.3173
31	.172	.0707	.0707	.0539	.1258	.2318
32	.178	.0528	.0528	.0360	.0807	.1671
33	.183	.0562	.0562	.0376	.1017	.1875
34	.189	.0458	.0458	.0282	.0833	.1535
35	.194	.0290	.0290	.0122	.0391	.0721
36	.200	.0269	.0269	.0101	.0353	.0651
37	.206	.0367	.0367	.0199	.0755	.1393
38	.211	.0485	.0485	.0317	.1323	.2439
39	.217	.0412	.0412	.0244	.1119	.2063
40	.222	.0288	.0283	.0116	.0583	.1075
41	.228	.0182	.0173	.0005	.0028	.0051
42	.233	.0087	.0116	.0000	.0000	.0000
43	.239	.0124	.0129	.0000	.0000	.0000
44	.244	.0190	.0172	.0006	.0034	.0063
45	.250	.0189	.0178	.0011	.0043	.0171
46	.256	.0167	.0172	.0004	.0018	.0069
47	.261	.0204	.0211	.0052	.0267	.0969
48	.267	.0323	.0304	.0136	.1018	.2902
49	.272	.0306	.0130	.0163	.2175	.4010
50	.278	.0267	.0262	.0094	.1625	.2627
51	.283	.0149	.0182	.0015	.0251	.0463
52	.289	.0165	.0166	.0000	.0000	.0000
53	.294	.0185	.0178	.0010	.0231	.0425
54	.300	.0176	.0161	.0013	.0338	.0623
55	.306	.0176	.0176	.0000	.0230	.0461
56	.311	.0160	.0164	.0000	.0000	.0000
57	.317	.0151	.0154	.0000	.0000	.0000
58	.322	.0156	.0155	.0000	.0000	.0000
59	.328	.0159	.0159	.0000	.0000	.0000
60	.333	.0162	.0168	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 26/12/59 AV. T= 11.6 RECORD = JHM23
HOUR = 0 SIG.HGT. = 26.0 UPPER HGT. = 29.0
TOTAL OF 117 CURR. VAR. = 66.4 LOWER HGT. = 23.4
NOISE LEVEL = .0124 WIND SPEED = 0

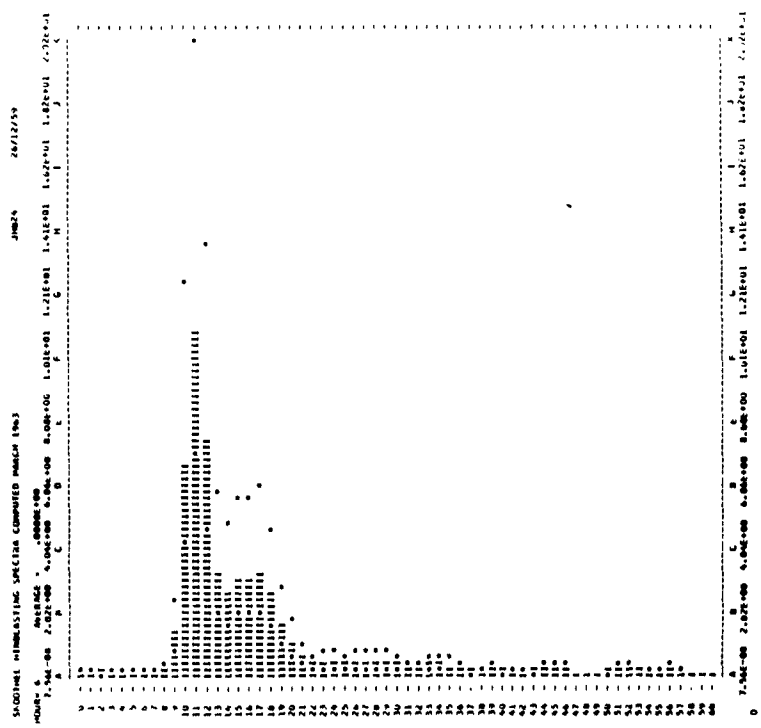
N	FRE.	UNIT*FT.2	FILTERED	-NOISE	CURR.FT.2	UPPER	LOWER
0	.000	.0867	.0867	.0543	.0543	.1002	.0346
1	.006	.1480	.1480	.1356	.1356	.2500	.0864
2	.011	.2800	.2800	.2676	.2676	.4931	.1704
3	.017	.2670	.2670	.2346	.2346	.4325	.1494
4	.022	.1180	.1180	.1056	.1056	.1947	.0673
5	.028	.0713	.0713	.0589	.0589	.1086	.0375
6	.033	.0604	.0604	.0480	.0757	.1395	.0482
7	.039	.0861	.0861	.0737	.0290	1.1593	.4005
8	.044	2.7290	2.7290	2.7166	3.2350	5.9626	2.0548
9	.050	5.6790	5.6790	5.6666	6.0874	11.1832	3.8634
10	.056	5.9566	5.9566	5.9442	6.3187	11.6464	4.0234
11	.061	5.0692	5.0692	5.0568	5.2465	9.6700	3.3666
12	.067	3.7869	3.7869	3.7745	3.8695	7.1321	2.4830
13	.072	2.3712	2.3712	2.3588	2.4202	4.4607	1.5610
14	.078	1.8676	1.8676	1.8766	1.9423	3.5800	1.2568
15	.083	2.0998	2.0998	2.0874	2.1467	4.0652	1.4375
16	.089	1.8416	1.8416	1.8292	1.9450	3.5850	1.2585
17	.094	1.1600	1.1600	1.1476	1.2063	2.2340	.8063
18	.100	.7180	.7180	.7056	.8033	1.4806	.5115
19	.106	.5130	.5130	.5006	.5910	1.0893	.3765
20	.111	.4490	.4490	.4306	.5288	.9747	.3369
21	.117	.3510	.3510	.3406	.4366	.8047	.2780
22	.122	.2860	.2860	.2736	.3673	.6771	.2339
23	.128	.2770	.2770	.2666	.3733	.6880	.2377
24	.133	.2590	.2590	.2626	.3608	.6651	.2298
25	.139	.1720	.1720	.1596	.2511	.4629	.1599
26	.144	.1140	.1140	.1016	.1696	.3126	.1080
27	.150	.1200	.1200	.1076	.1909	.3519	.1216
28	.156	.1100	.1100	.0976	.1847	.3405	.1176
29	.161	.1400	.1400	.1076	.2178	.4014	.1387
30	.167	.1190	.1190	.1066	.2315	.4266	.1474
31	.172	.0671	.0671	.0567	.1277	.2353	.0813
32	.178	.0354	.0354	.0230	.0480	.1069	.0369
33	.183	.0409	.0409	.0285	.0778	.1430	.0496
34	.189	.0425	.0425	.0301	.0889	.1638	.0586
35	.194	.0358	.0358	.0234	.0751	.1384	.0478
36	.200	.0386	.0386	.0262	.0848	.1560	.0539
37	.206	.0346	.0346	.0222	.0806	.1562	.0540
38	.211	.0291	.0291	.0127	.0532	.0980	.0339
39	.217	.0227	.0227	.0103	.0474	.0874	.0302
40	.222	.0197	.0191	.0067	.0340	.0627	.0217
41	.228	.0163	.0156	.0030	.0168	.0310	.0107
42	.233	.0132	.0150	.0026	.0163	.0300	.0104
43	.239	.0193	.0192	.0069	.0470	.0867	.0300
44	.244	.0252	.0229	.0105	.0800	.1474	.0509
45	.250	.0219	.0217	.0094	.0792	.1460	.0504
46	.256	.0179	.0192	.0068	.0644	.1188	.0410
47	.261	.0190	.0182	.0059	.0624	.1150	.0397
48	.267	.0171	.0169	.0045	.0537	.0990	.0342
49	.272	.0143	.0145	.0021	.0284	.0523	.0181
50	.278	.0122	.0129	.0005	.0079	.0145	.0050
51	.283	.0178	.0137	.0013	.0226	.0416	.0144
52	.289	.0169	.0153	.0030	.0575	.1060	.0366
53	.294	.0147	.0153	.0029	.0643	.1185	.0409
54	.300	.0148	.0148	.0025	.0877	.1617	.0558
55	.306	.0171	.0168	.0044	.1267	.2336	.0807
56	.311	.0141	.0139	.0015	.0508	.0936	.0323
57	.317	.0083	.0096	.0000	.0000	.0000	.0000
58	.322	.0078	.0078	.0000	.0000	.0000	.0000
59	.328	.0077	.0076	.0000	.0000	.0000	.0000
60	.333	.0074	.0075	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 26/12/59 AV. T= 9.8 RECORD = JHM24
HOUR = 6 SIG.HGT. = 29.3 UPPER HGT. = 33.4
TOTAL OF 111 CURR. VAR. = 56.1 LOWER HGT. = 26.8
NOISE LEVEL = .0397 WIND SPEED = 0

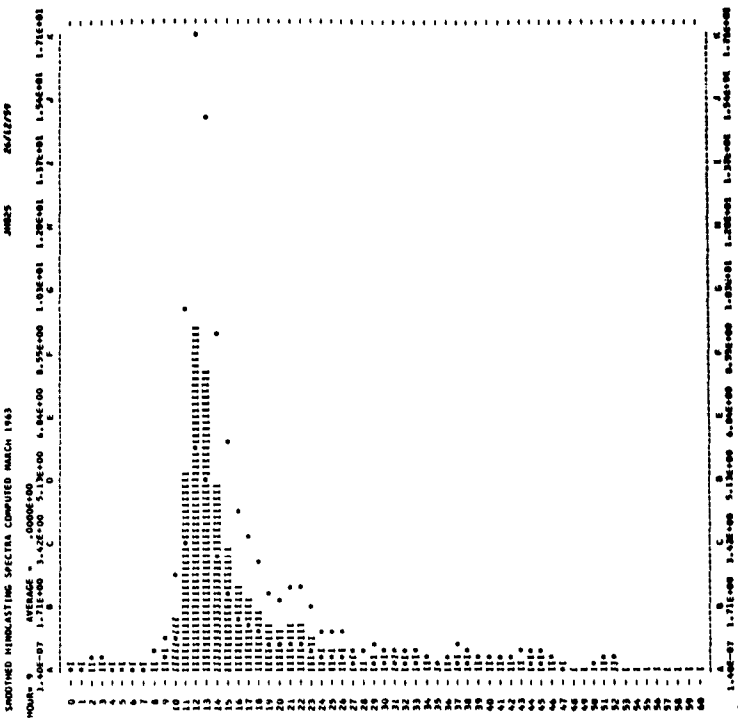
N	FRE.	UNIT*FT.2	FILTERED	-NOISE	CURR.FT.2	UPPER	LOWER
0	.000	.1079	.1079	.0632	.0632	.1164	.0402
1	.006	.1310	.1310	.0913	.0913	.1682	.0581
2	.011	.1590	.1590	.1193	.1193	.2198	.0759
3	.017	.1390	.1390	.0993	.0793	.1830	.0632
4	.022	.1200	.1200	.0803	.0803	.1.79	.0511
5	.028	.1360	.1360	.0963	.0963	.1774	.0613
6	.033	.1020	.1020	.0623	.0981	.1808	.0625
7	.039	.1110	.1110	.0713	.0966	.1744	.0603
8	.044	.2278	.2278	.1881	.2240	.4128	.1426
9	.050	1.2693	1.2693	1.2296	1.3667	2.5153	.8690
10	.056	6.3853	6.3853	6.3456	6.7493	12.4327	4.2950
11	.061	10.6039	10.6039	10.5642	10.9603	20.2015	6.9789
12	.067	7.2871	7.2871	7.2474	7.4334	13.7013	4.7333
13	.072	3.1726	3.1326	3.0929	3.1733	5.8488	2.0208
14	.078	2.5858	2.5858	2.5461	2.6552	4.8570	1.6779
15	.083	2.9081	2.9081	2.8684	3.0194	5.5586	1.9203
16	.089	2.9371	2.9371	2.8974	3.0808	5.6783	1.9617
17	.094	2.9788	2.9788	2.9391	3.2430	5.9773	2.0649
18	.100	2.2993	2.2993	2.2596	2.5723	4.7411	1.6379
19	.106	1.3400	1.3400	1.3003	1.5350	2.8292	.9774
20	.111	.8550	.8550	.8153	1.0012	1.8453	.6375
21	.117	.4690	.4690	.4293	.5502	1.0141	.3503
22	.122	.3130	.3130	.2733	.3868	.6761	.2336
23	.128	.3150	.3150	.2753	.3883	.7156	.2472
24	.133	.3090	.3090	.2693	.4004	.7381	.2550
25	.139	.2760	.2760	.2363	.3685	.6793	.2347
26	.144	.2720	.2720	.2323	.3875	.7143	.2467
27	.150	.2950	.2950	.2553	.4527	.8345	.2883
28	.156	.2850	.2850	.2453	.4660	.8592	.2496
29	.161	.2520	.2170	.1923	.3889	.7169	.2477
30	.167	.1880	.1880	.1483	.3218	.5931	.2049
31	.172	.1430	.1430	.1033	.2408	.4439	.1533
32	.178	.1360	.1360	.0963	.2423	.4466	.1543
33	.183	.1630	.1630	.1233	.3331	.6176	.2133
34	.189	.1510	.1510	.1113	.3280	.6046	.2089
35	.194	.1290	.1290	.0893	.2858	.5268	.1820
36	.200	.1010	.1010	.0613	.2138	.3941	.1362
37	.206	.0675	.0675	.0278	.1058	.1950	.0673
38	.211	.0634	.0634	.0242	.1008	.1858	.0642
39	.217	.0759	.0759	.0362	.1698	.3059	.1055
40	.222	.0670	.0662	.0265	.1235	.2274	.0786
41	.228	.0670	.0593	.0196	.0756	.1394	.0481
42	.233	.0573	.0578	.0181	.0805	.1485	.0513
43	.239	.0597	.0589	.0192	.1311	.2416	.0835
44	.244	.0661	.0662	.0265	.2008	.3700	.1278
45	.250	.0769	.0704	.0306	.2540	.4774	.1649
46	.256	.0836	.0686	.0288	.1776	.3661	.1238
47	.261	.0585	.0435	.0036	.0381	.0706	.0244
48	.267	.0328	.0365	.0000	.0000	.0000	.0000
49	.272	.0420	.0420	.0023	.0303	.0558	.0193
50	.278	.0512	.0489	.0092	.1383	.2550	.0881
51	.283	.0512	.0508	.0111	.1893	.3489	.1205
52	.289	.0497	.0499	.0101	.1963	.3619	.1250
53	.294	.0489	.0470	.0073	.1605	.2959	.1022
54	.300	.0466	.0443	.0025	.0838	.1176	.0406
55	.306	.0396	.0416	.0019	.0959	.1014	.0350
56	.311	.0440	.0453	.0056	.1826	.3365	.1163
57	.317	.0463	.0473	.0076	.0987	.1820	.0629
58	.322	.0298	.0317	.0000	.0000	.0000	.0000
59	.328	.0299	.0219	.0000	.0000	.0000	.0000
60	.333	.0269	.0279	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 26/12/59 AV. T= 9.6 RECORD = JH825
HOUR = 9 SIG.HGT. = 28.9 UPPER HGT. = 32.2
TOTAL DF =116 CORR. VAR. = 52.3 LOWER HGT. = 26.0
NOISE LEVEL = .0277 WIND SPEED = 0

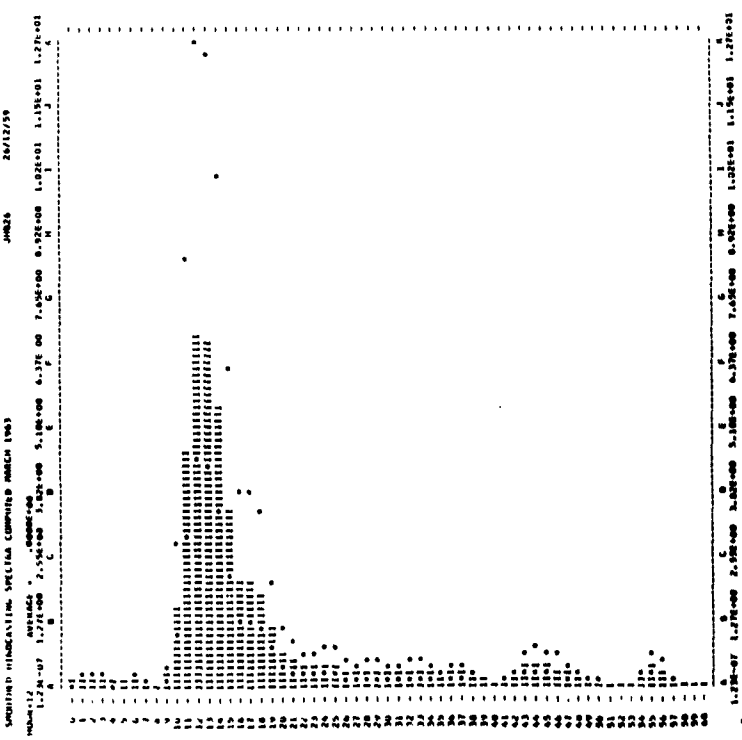
H	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1238	.1238	.0961	.0961	.1771	.0612
1	.006	.1468	.1468	.1163	.1163	.2143	.0748
2	.011	.1988	.1988	.1703	.1703	.3139	.1084
3	.017	.1958	.1958	.1673	.1673	.3083	.1065
4	.022	.1478	.1478	.1193	.1193	.2199	.0760
5	.028	.1328	.1328	.0943	.0943	.1739	.0596
6	.033	.1188	.1188	.0793	.0793	.1463	.0505
7	.039	.1018	.1018	.0753	.0873	.1793	.0620
8	.044	.2288	.2288	.1973	.2340	.4330	.1496
9	.050	.0868	.0868	.0388	.0878	.3181	.0101
10	.056	1.3784	1.3784	1.3477	1.4326	2.6648	.9122
11	.061	5.1358	5.1358	5.1081	5.2996	9.7680	3.3745
12	.067	9.0691	9.0691	9.0414	9.2737	17.0820	5.9890
13	.072	7.8791	7.8791	7.8514	8.0995	14.9479	5.1283
14	.078	4.7986	4.7986	4.7709	4.9778	8.9986	3.1099
15	.083	3.1639	3.1639	3.1362	3.2974	6.0776	2.0996
16	.089	2.1694	2.1694	2.1377	2.2730	4.1895	1.4473
17	.094	1.7728	1.7728	1.7481	1.9235	3.5490	1.2261
18	.100	1.4908	1.4908	1.4623	1.5944	2.9423	1.0165
19	.106	.9728	.9728	.9443	1.1147	2.0566	.7098
20	.111	.8938	.8938	.8293	1.0134	1.8699	.6453
21	.117	.9368	.7368	.9083	1.1841	2.1857	.7611
22	.122	.9108	.9108	.8823	1.1844	2.1863	.7541
23	.128	.6788	.6788	.6503	.9172	1.6926	.5846
24	.133	.6208	.6208	.5923	.9834	1.8752	.3715
25	.139	.5968	.5968	.5683	.5703	1.0670	.3689
26	.144	.5748	.5748	.5463	.5777	1.0659	.3679
27	.150	.1948	.1948	.1663	.2949	.5436	.1878
28	.156	.1578	.1578	.1293	.2446	.4508	.1557
29	.161	.2088	.2088	.1803	.3647	.6722	.2322
30	.167	.1778	.1778	.1493	.3240	.5972	.2063
31	.172	.1388	.1388	.1103	.2572	.4740	.1638
32	.178	.1498	.1498	.1173	.2952	.5441	.1880
33	.183	.1338	.1338	.1093	.2862	.5275	.1822
34	.189	.0788	.0788	.0509	.1500	.2765	.0955
35	.194	.0478	.0478	.0193	.0617	.1138	.0393
36	.200	.0804	.0804	.0527	.1839	.3389	.1171
37	.206	.1188	.1188	.0903	.3459	.6338	.2190
38	.211	.0934	.0934	.0657	.2760	.5050	.1745
39	.217	.0675	.0675	.0398	.1823	.3360	.1161
40	.222	.0705	.0490	.0413	.2080	.3833	.1326
41	.228	.0674	.0477	.0400	.2222	.4096	.1415
42	.233	.0654	.0444	.0369	.2269	.4182	.1445
43	.239	.0602	.0622	.0345	.2350	.4331	.1496
44	.244	.0629	.0629	.0352	.2668	.4918	.1699
45	.250	.0656	.0605	.0328	.2769	.5103	.1763
46	.256	.0678	.0467	.0210	.1982	.3652	.1262
47	.261	.0336	.0361	.0084	.0892	.1644	.0568
48	.267	.0296	.0296	.0019	.0224	.0412	.0142
49	.272	.0246	.0277	.0000	.0004	.0008	.0003
50	.278	.0302	.0326	.0049	.0733	.1351	.0467
51	.283	.0443	.0396	.0119	.2036	.3752	.1296
52	.289	.0398	.0368	.0091	.1758	.3240	.1119
53	.294	.0233	.0275	.0000	.0000	.0000	.0000
54	.300	.0235	.0237	.0000	.0000	.0000	.0000
55	.306	.0244	.0236	.0000	.0000	.0000	.0000
56	.311	.0216	.0237	.0000	.0000	.0000	.0000
57	.317	.0269	.0262	.0000	.0000	.0000	.0000
58	.322	.0296	.0277	.0000	.0000	.0000	.0000
59	.328	.0244	.0251	.0000	.0000	.0000	.0000
60	.333	.0218	.0232	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 26/12/59 AV. T= 9.1 RECORD = JH826
HOUR = 12 SIG.HGT. = 26.9 UPPER HGT. = 29.9
TOTAL DF =117 CORR. VAR. = 45.2 LOWER HGT. = 24.2
NOISE LEVEL = .0266 WIND SPEED = 0

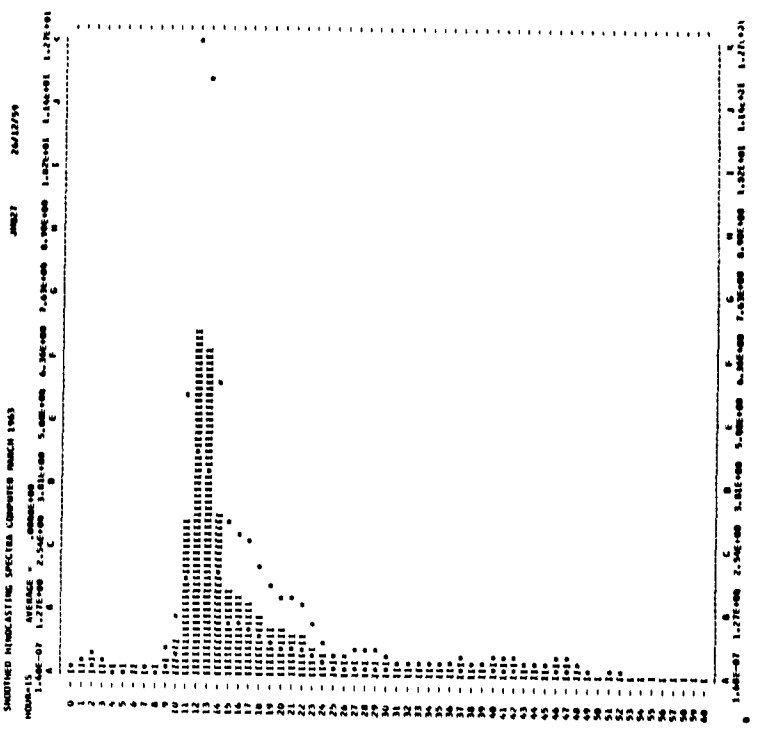
H	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0947	.0947	.0681	.0681	.1255	.0436
1	.006	.1510	.1510	.1244	.1244	.2293	.0792
2	.011	.1810	.1810	.1544	.1544	.2846	.0983
3	.017	.1350	.1350	.1084	.1084	.1998	.0690
4	.022	.1210	.1210	.0944	.0944	.1740	.0601
5	.028	.1290	.1290	.1024	.1026	.1888	.0652
6	.033	.1048	.1048	.0774	.1220	.2248	.0777
7	.039	.0538	.0538	.0264	.0351	.0646	.0223
8	.044	.0461	.0461	.0195	.0232	.0428	.0148
9	.050	.2288	.2288	.2022	.2244	.4137	.1429
10	.056	1.4538	1.4538	1.4272	1.5171	2.7963	.9660
11	.061	4.4582	4.4582	4.4326	4.5988	8.4763	2.9283
12	.067	6.7702	6.7702	6.7436	6.9169	12.7489	4.4063
13	.072	6.6209	6.6209	6.5943	6.7698	12.4783	4.3088
14	.078	5.2902	5.2902	5.2636	5.4478	10.0412	3.4688
15	.083	3.2571	3.2571	3.2305	3.3966	6.2604	2.1627
16	.089	1.9608	1.9608	1.9342	2.0566	3.7907	1.3095
17	.094	1.9188	1.9188	1.8914	2.0870	3.8466	1.3289
18	.100	1.6300	1.6300	1.6234	1.8681	3.4063	1.1768
19	.106	.9850	.9850	.9584	1.1314	2.0853	.7204
20	.111	.5570	.5570	.5304	.6513	1.2005	.4147
21	.117	.4070	.4070	.3804	.4874	.8987	.3105
22	.122	.2970	.2970	.2704	.3630	.6691	.2311
23	.128	.2880	.2880	.2614	.3687	.6796	.2348
24	.133	.3210	.3210	.2944	.4378	.8070	.2788
25	.139	.2800	.2800	.2534	.3986	.7347	.2538
26	.144	.1880	.1880	.1614	.2693	.4963	.1715
27	.150	.1400	.1400	.1134	.2011	.3707	.1281
28	.156	.1460	.1460	.1294	.2448	.4512	.1559
29	.161	.1480	.1480	.1214	.2496	.4527	.1564
30	.167	.1258	.1258	.0984	.2136	.3937	.1360
31	.172	.1090	.1090	.0824	.1922	.3542	.1224
32	.178	.1240	.1240	.0974	.2492	.4519	.1561
33	.183	.1330	.1330	.1064	.2892	.5331	.1842
34	.189	.0947	.0947	.0681	.2008	.3701	.1278
35	.194	.0735	.0735	.0469	.1502	.2768	.0956
36	.200	.0814	.0814	.0548	.1911	.3525	.1218
37	.206	.0772	.0772	.0506	.1948	.3593	.1227
38	.211	.0654	.0654	.0388	.1619	.2984	.1031
39	.217	.0486	.0486	.0220	.1049	.1859	.0642
40	.222	.0269	.0319	.0053	.0266	.0441	.0170
41	.228	.0251	.0338	.0064	.0396	.0657	.0227
42	.233	.0340	.0340	.0274	.1697	.3110	.1076
43	.239	.0812	.0739	.0474	.3230	.5953	.2057
44	.244	.0785	.0772	.0506	.3836	.7071	.2443
45	.250	.0705	.0700	.0435	.3473	.6770	.2339
46	.256	.0607	.0600	.0334	.2 95	.5815	.2009
47	.261	.0481	.0478	.0211	.2 *	.4106	.1418
48	.267	.0317	.0355	.0089	.105	.1950	.0674
49	.272	.0265	.0296	.0029	.0367	.0704	.0243
50	.278	.0311	.0290	.0025	.0371	.0683	.0236
51	.283	.0275	.0269	.0004	.0061	.0112	.0039
52	.289	.0237	.0230	.0000	.0000	.0000	.0000
53	.294	.0210	.0230	.0000	.0000	.0000	.0000
54	.300	.0308	.0311	.0046	.1143	.2106	.0728
55	.306	.0428	.0319	.0114	.3256	.5998	.2072
56	.311	.0370	.0358	.0092	.3022	.5570	.1924
57	.317	.0272	.0276	.0011	.0349	.0735	.0254
58	.322	.0192	.0279	.0000	.0000	.0000	.0000
59	.328	.0180	.0247	.0000	.0000	.0000	.0000
60	.333	.0215	.0247	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1983

DATE = 26/12/59 Av. T= 9.4 RECORD = JHR27
HOUR = 15 SIG.HGT. = 24.1 UPPER HGT. = 26.9
TOTAL DF =107 CORR. VAR. = 36.3 LOWER HGT. = 21.5
NOISE LEVEL = .0161 WIND SPEED = 0

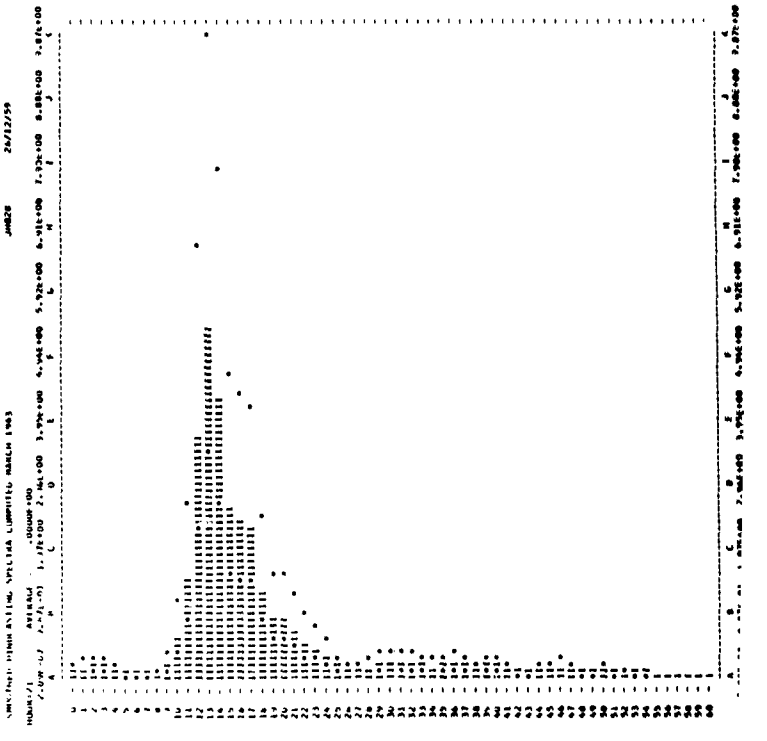
H	PRs. UNITs	PT.2 FILTERED	-NOISE	CORR.PT.2	UPPER	LOWER
0	.000	.0590	.0590	.0429	.0429	.0791	.0273
1	.006	.1310	.1310	.1149	.1149	.2118	.0732
2	.011	.2190	.2190	.2029	.2029	.3740	.1292
3	.017	.1710	.1710	.1549	.1549	.2855	.0986
4	.022	.1020	.1020	.0859	.0859	.1584	.0547
5	.028	.1140	.1140	.0979	.0979	.1805	.0623
6	.033	.0799	.0799	.0638	.1005	.1853	.0640
7	.039	.0693	.0693	.0532	.0441	.0813	.0281
8	.044	.0896	.0896	.0735	.0879	.1614	.0557
9	.050	.2800	.2800	.2639	.2929	.5399	.1865
10	.056	.5958	.5958	.5797	.6182	1.1398	.3826
11	.061	1.9704	1.9704	1.9543	1.0691	1.9644	1.9917
12	.067	3.7404	3.7404	3.7243	6.8871	12.7124	4.3917
13	.072	6.3094	6.3094	6.2933	6.4860	11.9011	4.1114
14	.078	3.0581	3.0581	3.0420	3.1485	5.8031	2.0048
15	.083	1.6130	1.6130	1.5969	1.6790	3.0946	1.0691
16	.089	1.4549	1.4549	1.4388	1.5299	2.8198	.9741
17	.094	1.3087	1.3087	1.2926	1.4263	2.6288	.9082
18	.100	1.0300	1.0300	1.0139	1.1562	2.1274	.7350
19	.106	.8210	.8210	.8049	.9502	1.7514	.6050
20	.111	.7070	.7070	.6909	.8684	1.5838	.5472
21	.117	.6580	.6580	.6419	.8827	1.6164	.5584
22	.122	.8790	.8790	.8629	.7857	1.3928	.4812
23	.128	.6190	.6190	.6029	.9603	1.8678	.3619
24	.133	.2920	.2920	.2759	.3908	.6466	.2236
25	.139	.1570	.1570	.1409	.2217	.4086	.1412
26	.144	.1470	.1470	.1309	.2184	.4026	.1391
27	.150	.1648	.1648	.1479	.2623	.4835	.1670
28	.156	.1590	.1590	.1429	.2706	.4988	.1722
29	.161	.1430	.1430	.1269	.2367	.4732	.1635
30	.167	.1210	.1210	.1049	.2277	.4197	.1450
31	.172	.0820	.0820	.0659	.1957	.3633	.0979
32	.178	.0714	.0714	.0553	.1392	.2564	.0887
33	.183	.0762	.0762	.0601	.1634	.3012	.1040
34	.189	.0678	.0678	.0517	.1928	.2810	.0971
35	.194	.0629	.0629	.0468	.1499	.2762	.0954
36	.200	.0634	.0634	.0473	.1431	.2044	.1051
37	.206	.0662	.0662	.0501	.1909	.3518	.1215
38	.211	.0565	.0565	.0404	.1686	.3108	.1074
39	.217	.0517	.0517	.0356	.1632	.3008	.1039
40	.222	.0624	.0588	.0424	.2137	.3938	.1361
41	.228	.0574	.0563	.0402	.2238	.4125	.1425
42	.233	.0481	.0473	.0312	.1919	.3536	.1222
43	.239	.0359	.0381	.0220	.1550	.2765	.0955
44	.244	.0332	.0349	.0188	.1427	.2631	.0909
45	.250	.0377	.0362	.0201	.1700	.3134	.1083
46	.256	.0362	.0375	.0212	.2008	.3698	.1277
47	.261	.0342	.0381	.0220	.2115	.3898	.1347
48	.267	.0297	.0286	.0126	.1495	.2751	.0951
49	.272	.0160	.0197	.0036	.0487	.0898	.0310
50	.278	.0172	.0176	.0015	.0233	.0429	.0148
51	.283	.0201	.0191	.0030	.0511	.0941	.0325
52	.289	.0189	.0188	.0027	.0526	.0968	.0335
53	.294	.0173	.0171	.0011	.0235	.04 5	.0150
54	.300	.0151	.0150	.0000	.0000	.0000	.0000
55	.306	.0124	.0139	.0000	.0000	.0000	.0000
56	.311	.0159	.0146	.0000	.0000	.0000	.0000
57	.317	.0175	.0162	.0001	.0054	.0098	.0034
58	.322	.0140	.0150	.0000	.0000	.0000	.0000
59	.328	.0145	.0148	.0000	.0000	.0000	.0000
60	.333	.0163	.0154	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1983

DATE = 26/12/59 Av. T= 9.4 RECORD = JHR28
HOUR = 21 SIG.HGT. = 22.8 UPPER HGT. = 25.3
TOTAL DF =125 CORR. VAR. = 32.5 LOWER HGT. = 20.6
NOISE LEVEL = .0109 WIND SPEED = 0

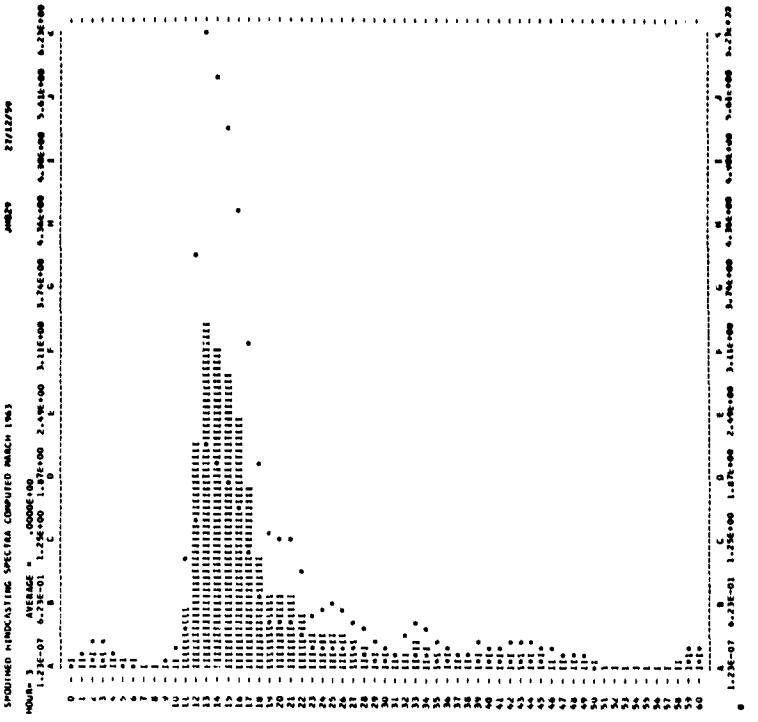
H	PRs. UNITs	PT.2 FILTERED	-NOISE	CORR.PT.2	UPPER	LOWER
0	.000	.0932	.0932	.0823	.0823	.1517	.0524
1	.006	.1510	.1510	.1401	.1401	.2582	.0892
2	.011	.1460	.1460	.1851	.1851	.3411	.1178
3	.017	.1740	.1740	.1631	.1631	.3006	.1038
4	.022	.1290	.1290	.1181	.1181	.2176	.0752
5	.028	.0810	.0810	.0701	.0701	.1292	.0446
6	.033	.0593	.0593	.0484	.0762	.1405	.0485
7	.039	.0596	.0596	.0447	.0593	.1093	.0378
8	.044	.0381	.0381	.0272	.0324	.0597	.0206
9	.050	.1850	.1850	.1741	.1932	.3561	.1230
10	.056	.5950	.5950	.5841	.6209	1.1444	.3955
11	.061	1.3024	1.3024	1.3817	1.4335	2.6421	.9128
12	.067	5.5367	5.5367	5.5238	3.6163	6.6618	2.3014
13	.072	5.2309	5.2309	5.2200	5.3957	9.8713	3.4102
14	.078	4.0944	4.0944	4.0837	4.2266	7.7903	2.6913
15	.083	2.4065	2.4065	2.3956	2.5187	4.6424	1.6038
16	.089	2.2488	2.2488	2.2379	2.3705	4.3698	1.5101
17	.094	2.0655	2.0655	2.0546	2.2670	4.1785	1.4435
18	.100	1.1800	1.1800	1.1691	1.5304	2.4590	.8496
19	.106	.7510	.7510	.7401	.8737	1.6103	.5563
20	.111	.7250	.7250	.7141	.8769	1.6162	.5584
21	.117	.5670	.5670	.5561	.7127	1.3137	.4538
22	.122	.4080	.4080	.3971	.5330	.9825	.3394
23	.128	.3010	.3010	.2901	.4042	.7451	.2609
24	.133	.2180	.2180	.2071	.3079	.5676	.1961
25	.139	.1250	.1250	.1141	.1795	.3308	.1143
26	.144	.0878	.0878	.0719	.1199	.2210	.0764
27	.150	.0849	.0849	.0540	.0957	.1765	.0610
28	.156	.0831	.0831	.0722	.1366	.2517	.0869
29	.161	.1260	.1260	.1151	.2287	.4216	.1457
30	.167	.1190	.1190	.1081	.2366	.4326	.1494
31	.172	.1100	.1100	.0941	.2311	.4259	.1471
32	.178	.1020	.1020	.0911	.2242	.4225	.1460
33	.183	.0790	.0790	.0681	.1850	.3411	.1178
34	.189	.0641	.0641	.0532	.1550	.2872	.0923
35	.194	.0604	.0604	.0495	.1584	.2920	.1009
36	.200	.0719	.0719	.0606	.2114	.3897	.1346
37	.206	.0565	.0565	.0456	.1734	.3200	.1105
38	.211	.0593	.0593	.0484	.1984	.3182	.1234
39	.217	.0447	.0447	.0339	.1593	.2892	.1089
40	.222	.0443	.0443	.0344	.1662	.2732	.1044
41	.228	.0297	.0297	.0188	.1044	.1965	.0865
42	.233	.0178	.0207	.0098	.0803	.1112	.0384
43	.239	.0141	.0141	.0032	.0558	.1025	.0354
44	.244	.0209	.0218	.0109	.0829	.1568	.0529
45	.250	.0268	.0257	.0148	.1243	.2302	.0799
46	.256	.0283	.0296	.0145	.1370	.2525	.0872
47	.261	.0139	.0089	.0042	.0742	.1376	.0600
48	.267	.0144	.0161	.0052	.0617	.1129	.0390
49	.272	.0172	.0186	.0057	.0776	.1393	.0481
50	.278	.0175	.0186	.0057	.0881	.1586	.0549
51	.283	.0143	.0145	.0016	.0611	.1126	.0389
52	.289	.0119	.0130	.0021	.0812	.0760	.0262
53	.294	.0141	.0138	.0024	.0834	.1178	.0407
54	.300	.0152	.0140	.0031	.0772	.1424	.0492
55	.306	.0115	.0117	.0008	.0738	.0458	.0151
56	.311	.0088	.0097	.0000	.0000	.0000	.0000
57	.317	.0078	.0078	.0000	.0000	.0000	.0000
58	.322	.0072	.0076	.0000	.0000	.0000	.0000
59	.328	.0084	.0084	.0000	.0000	.0000	.0000
60	.333	.0064	.0069	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 27/12/59 Av. T= 8.8 RECORD = JH829
HOUR = 3 SIG.HGT. = 20.0 UPPER HGT. = 22.1
TOTAL OF =132 CORR. VAR. = 25.1 LOWER HGT. = 18.1
NOISE LEVEL = .0098 WIND SPEED = 0

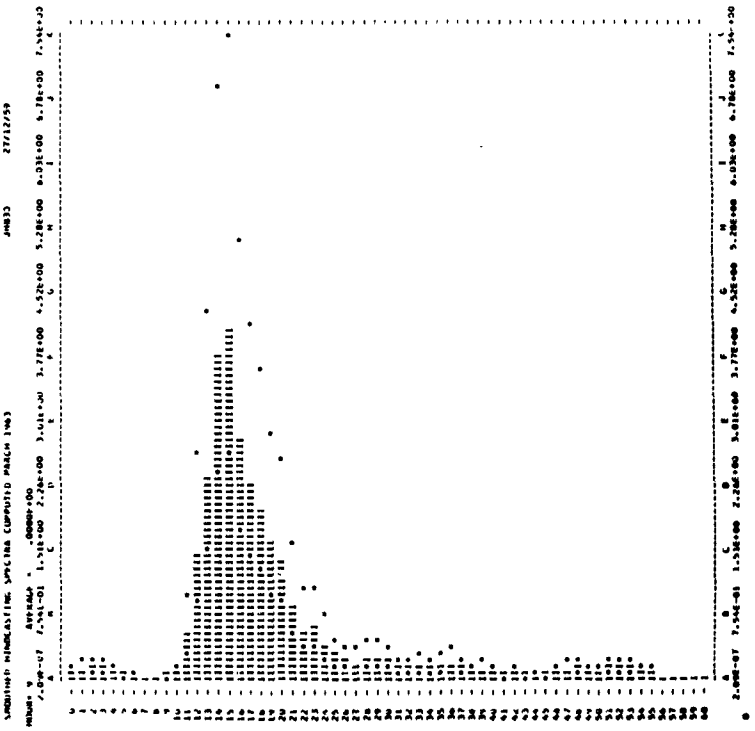
M	FRE.	UNIT=FT.2 FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0590	.0590	.0475	.0876	.0303
1	.006	.0867	.0867	.0772	.1623	.0492
2	.011	.1470	.1470	.1395	.2872	.0888
3	.017	.1860	.1860	.1285	.2369	.0818
4	.022	.0744	.0744	.0669	.1234	.0426
5	.028	.0561	.0561	.0486	.0898	.0310
6	.033	.0364	.0364	.0288	.0532	.0200
7	.039	.0169	.0169	.0094	.0125	.0231 .0080
8	.044	.0180	.0180	.0105	.0125	.0231 .0080
9	.050	.0323	.0323	.0248	.0276	.0508 .0179
10	.056	.0883	.0883	.0808	.0859	.1584 .0567
11	.061	.5711	.5711	.5636	.5848	1.0778 .3723
12	.067	2.1958	2.1958	2.1480	2.2832	4.2069 1.4028
13	.072	3.3008	3.3008	3.2433	3.3790	6.2279 2.1515
14	.078	3.0437	3.0437	3.0362	3.1425	5.7921 2.0010
15	.083	2.7461	2.7461	2.7386	2.8794	5.3072 1.8334
16	.089	2.2078	2.2078	2.2003	2.4267	4.4690 1.5428
17	.094	1.5600	1.5600	1.5525	1.7131	3.1576 1.0908
18	.100	.9630	.9630	.9555	1.0878	2.0049 .6926
19	.106	.6078	.6078	.5999	.7077	1.3045 .4506
20	.111	.5650	.5650	.5575	.6846	1.2619 .4359
21	.117	.5360	.5360	.5285	.6774	1.2486 .4313
22	.122	.3758	.3758	.3685	.4907	.9044 .3124
23	.128	.2118	.2118	.2035	.2871	.5291 .1828
24	.133	.2110	.2110	.2035	.3027	.5579 .1927
25	.139	.2190	.2190	.2115	.3328	.6133 .2119
26	.144	.1820	.1820	.1745	.2912	.5367 .1854
27	.150	.1480	.1480	.1405	.2492	.4594 .1587
28	.156	.1070	.1070	.0995	.1883	.3470 .1199
29	.161	.0769	.0769	.0690	.1396	.2574 .0889
30	.167	.0551	.0551	.0476	.1034	.1905 .0658
31	.172	.0433	.0433	.0358	.0836	.1540 .0532
32	.178	.0682	.0682	.0607	.1529	.2817 .0973
33	.183	.0967	.0967	.0892	.2425	.4470 .1544
34	.189	.0768	.0768	.0673	.1985	.3658 .1264
35	.194	.0449	.0449	.0374	.1198	.2209 .0763
36	.200	.0378	.0378	.0303	.1058	.1951 .0674
37	.206	.0270	.0270	.0195	.0744	.1371 .0474
38	.211	.0270	.0270	.0195	.0815	.1502 .0519
39	.217	.0336	.0336	.0261	.1147	.2207 .0762
40	.222	.0317	.0309	[illegible]	.1181	.2177 .0752
41	.228	.0266	.0281	.0206	.1147	.2115 .0731
42	.233	.0275	.0277	.0203	.1247	.2299 .0794
43	.239	.0294	.0280	.0205	.1398	.2578 .0890
44	.244	.0256	.0254	.0179	.1360	.2506 .0866
45	.250	.0210	.0211	.0136	.1150	.2119 .0732
46	.256	.0187	.0171	.0097	.0914	.1685 .0582
47	.261	.0162	.0165	.0071	.0746	.1376 .0475
48	.267	.0130	.0129	.0055	.0651	.1200 .0414
49	.272	.0114	.0114	.0040	.0539	.0993 .0343
50	.278	.0098	.0095	.0021	.0314	.0578 .0200
51	.283	.0076	.0076	.0001	.0025	.0045 .0009
52	.289	.0064	.0071	.0000	.0000	.0000 .0000
53	.294	.0085	.0077	.0003	.0062	.0114 .0039
54	.300	.0076	.0072	.0000	.0000	.0000 .0000
55	.306	.0053	.0057	.0000	.0000	.0000 .0000
56	.311	.0048	.0053	.0000	.0000	.0000 .0000
57	.317	.0062	.0066	.0000	.0000	.0000 .0000
58	.322	.0092	.0086	.0011	.0490	.0904 .0312
59	.328	.0098	.0094	.0019	.0809	.1492 .0691
60	.333	.0090	.0094	.0019	.1117	.2059 .0711



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 27/12/59 Av. T= 8.8 RECORD = JH830
HOUR = 9 SIG.HGT. = 21.0 UPPER HGT. = 23.8
TOTAL OF =136 CORR. VAR. = 29.1 LOWER HGT. = 19.5
NOISE LEVEL = .0109 WIND SPEED = 0

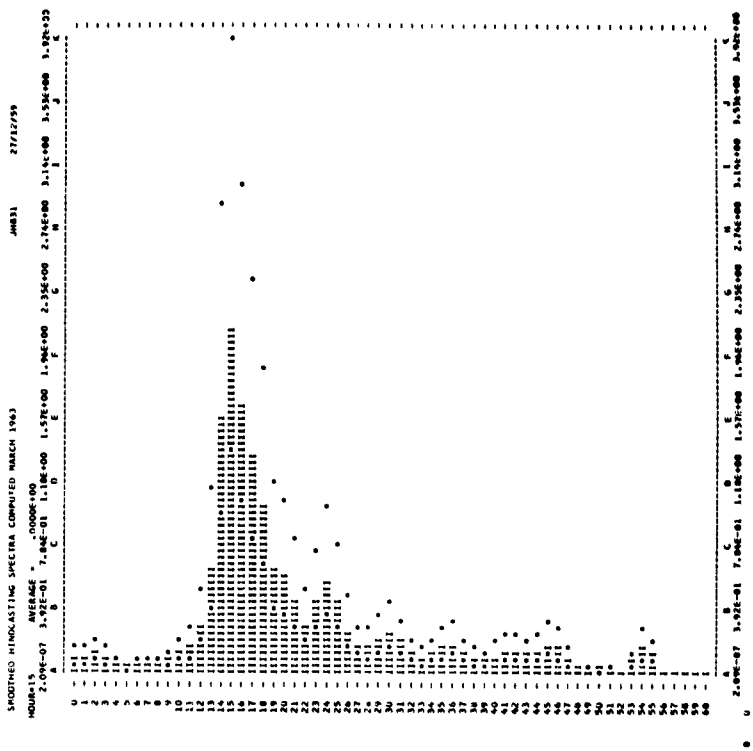
M	FRE.	UNIT=FT.2 FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1090	.1090	.0981	.0981	.1809 .0625
1	.006	.1160	.1160	.1051	.1051	.1938 .0670
2	.011	.1360	.1360	.1231	.1231	.2270 .0784
3	.017	.1500	.1500	.1391	.1391	.2565 .0886
4	.022	.1080	.1080	.0971	.0971	.1791 .0619
5	.028	.0532	.0532	.0423	.0423	.0781 .0270
6	.033	.0301	.0301	.0192	.0303	.0559 .0193
7	.039	.0220	.0220	.0111	.0148	.0273 .0094
8	.044	.0240	.0240	.0131	.0197	.0289 .0100
9	.050	.0475	.0475	.0366	.0407	.0750 .0259
10	.056	.0799	.0799	.0690	.0736	.1353 .0467
11	.061	.5097	.5097	.4988	.5176	.9539 .3295
12	.067	1.3985	1.3985	1.3876	1.4233	2.6234 .9063
13	.072	2.2950	2.2950	2.2841	2.3435	4.3195 1.4922
14	.078	3.4498	3.4498	3.4389	3.5263	6.4949 2.2442
15	.083	3.9004	3.9004	3.8895	4.0895	7.5375 2.6039
16	.089	2.6133	2.6133	2.6024	2.7672	5.1003 1.7620
17	.094	2.0662	2.0662	2.0553	2.2679	4.1800 1.4440
18	.100	1.7527	1.7527	1.7418	1.9879	3.6548 1.2626
19	.106	1.5222	1.5222	1.5113	1.5480	2.8533 .9857
20	.111	1.1400	1.1400	1.1291	1.3866	2.5557 .8829
21	.117	.6700	.6700	.6591	.8448	1.5571 .5379
22	.122	.4240	.4240	.4131	.5546	1.0222 .3531
23	.128	.4170	.4170	.4061	.5729	1.0559 .3648
24	.133	.2890	.2890	.2781	.4136	.7624 .2634
25	.139	.1790	.1790	.1681	.2645	.4875 .1684
26	.144	.1320	.1320	.1211	.2021	.3725 .1287
27	.150	.1160	.1160	.1051	.1865	.3437 .1187
28	.156	.1340	.1340	.1231	.2330	.4294 .1483
29	.161	.1370	.1370	.1261	.2552	.4703 .1624
30	.167	.1010	.1010	.0901	.1957	.3606 .1246
31	.172	.0629	.0629	.0516	.1204	.2220 .0767
32	.178	.0574	.0574	.0465	.1172	.2159 .0746
33	.183	.0672	.0672	.0563	.1532	.2823 .0975
34	.189	.0559	.0559	.0446	.1316	.2426 .0838
35	.194	.0580	.0580	.0471	.1510	.2782 .0961
36	.200	.0644	.0644	.0535	.1869	.3444 .1190
37	.206	.0622	.0622	.0313	.1194	.2201 .0760
38	.211	.0316	.0316	.0207	.0865	.1595 .0551
39	.217	.0333	.0333	.0224	.1024	.1886 .0655
40	.222	.0230	.0244	.0136	.0685	.1263 .0436
41	.228	.0185	.0212	.0103	.0576	.1058 .0366
42	.233	.0247	.0217	.0108	.0666	.1227 .0424
43	.239	.0188	.0187	.0078	.0534	.0983 .0340
44	.244	.0174	.0151	.0043	.0326	.0601 .0208
45	.250	.0170	.0162	.0054	.0458	.0841 .0290
46	.256	.0186	.0188	.0079	.0748	.1379 .0476
47	.261	.0209	.0207	.0099	.1044	.1925 .0665
48	.267	.0225	.0206	.0097	.1158	.2134 .0737
49	.272	.0169	.0180	.0072	.0962	.1774 .0613
50	.278	.0167	.0173	.0065	.0976	.1800 .0622
51	.283	.0194	.0188	.0071	.1215	.2240 .0774
52	.289	.0184	.0171	.0062	.1209	.2229 .0770
53	.294	.0162	.0160	.0052	.1144	.2108 .0728
54	.300	.0154	.0149	.0040	.1015	.1871 .0646
55	.306	.0126	.0130	.0021	.0815	.1134 .0392
56	.311	.0116	.0107	.0000	.0000	.0000 .0000
57	.317	.0073	.0079	.0000	.0000	.0000 .0000
58	.322	.0060	.0067	.0000	.0000	.0000 .0000
59	.328	.0034	.0034	.0000	.0000	.0000 .0000
60	.333	.0030	.0032	.0000	.0000	.0000 .0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 27/12/59 AV. T= 7.7 RECORD = JHB31
HOUR = 15 SIG.HGT. = 16.1 UPPER HGT. = 17.6
TOTAL OF =172 CORR. VAR. = 16.2 LOWER HGT. = 14.7
NOISE LEVEL = .0091 WIND SPEED = 0

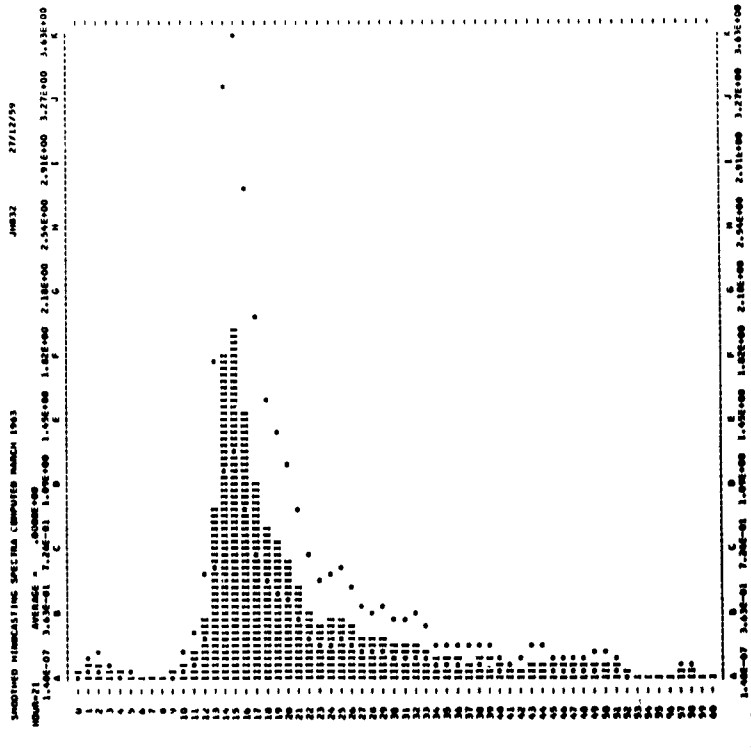
M	FRE.	UNIT*FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0905	.0905	.0814	.0814	.1500	.0518
1	.006	.1010	.1010	.0919	.0919	.1694	.0588
2	.011	.1090	.1090	.0999	.0999	.1841	.0636
3	.017	.0860	.0860	.0769	.0769	.1417	.0490
4	.022	.0946	.0946	.0855	.0855	.0839	.0290
5	.028	.0378	.0378	.0287	.0287	.0529	.0183
6	.033	.0358	.0358	.0267	.0421	.0775	.0268
7	.039	.0432	.0432	.0341	.0453	.0835	.0288
8	.044	.0401	.0401	.0310	.0369	.0681	.0235
9	.050	.0706	.0706	.0615	.0683	.1258	.0435
10	.056	.1040	.1040	.0949	.1009	.1859	.0642
11	.061	.1430	.1430	.1339	.1389	.2561	.0885
12	.067	.2810	.2810	.2719	.2789	.5140	.1776
13	.072	.6184	.6184	.6093	.6251	1.1522	.3981
14	.078	1.9221	1.9221	1.9130	1.9660	2.8863	.9971
15	.083	2.0315	2.0315	2.0224	2.1264	3.9192	1.3539
16	.089	1.5492	1.5492	1.5401	1.6376	3.0183	1.0427
17	.094	1.2000	1.2000	1.1909	1.3140	2.4220	.8367
18	.100	.9040	.9040	.8949	1.0188	1.8777	.6487
19	.106	.5 %	.5470	.5379	.6350	1.1704	.4043
20	.111	.4750	.4750	.4659	.5721	1.0545	.3643
21	.117	.3520	.3520	.3429	.4395	.8101	.2798
22	.122	.2200	.2200	.2109	.2831	.5218	.1803
23	.128	.3020	.3020	.2929	.4131	.7619	.2631
24	.133	.3820	.3820	.3729	.5545	1.0221	.3531
25	.139	.2860	.2860	.2769	.4356	.8029	.2774
26	.144	.1590	.1590	.1499	.2501	.4610	.1592
27	.150	.0963	.0963	.0872	.1367	.2451	.0985
28	.156	.0869	.0869	.0778	.1472	.2713	.0937
29	.161	.0995	.0995	.0904	.1829	.3371	.1164
30	.167	.1120	.1120	.1029	.2233	.4117	.1422
31	.172	.0858	.0858	.0767	.1789	.3297	.1139
32	.178	.0492	.0492	.0401	.1009	.1860	.0643
33	.183	.0416	.0416	.0325	.0884	.1628	.0563
34	.189	.0450	.0450	.0359	.1058	.1951	.0674
35	.194	.0549	.0549	.0494	.1454	.2680	.0926
36	.200	.0551	.0551	.0460	.1804	.2959	.1022
37	.206	.0398	.0398	.0307	.1169	.2156	.0745
38	.211	.0270	.0270	.0179	.0747	.1377	.0476
39	.217	.0232	.0232	.0141	.0646	.1191	.0412
40	.222	.0279	.0283	.0193	.0971	.1789	.0618
41	.228	.0344	.0323	.0232	.1292	.2381	.0823
42	.233	.0326	.0308	.0217	.1334	.2458	.0849
43	.239	.0235	.0261	.0170	.1160	.2138	.0738
44	.244	.0248	.0267	.0176	.1337	.2465	.0851
45	.250	.0338	.0295	.0205	.1729	.3186	.1101
46	.256	.0258	.0291	.0180	.1914	.2790	.0964
47	.261	.0151	.0168	.0077	.0815	.1502	.0519
48	.267	.0112	.0117	.0026	.0312	.0576	.0199
49	.272	.0094	.0104	.0013	.0174	.0322	.0111
50	.278	.0116	.0106	.0016	.0235	.0432	.0149
51	.283	.0100	.0098	.0007	.0125	.0230	.0079
52	.289	.0077	.0093	.0002	.0065	.0082	.0028
53	.294	.0119	.0121	.0030	.0461	.1219	.0421
54	.300	.0169	.0148	.0057	.1424	.2625	.0907
55	.306	.0134	.0126	.0035	.1004	.1851	.0639
56	.311	.0067	.0091	.0000	.0000	.0000	.0000
57	.317	.0057	.0057	.0000	.0000	.0000	.0000
58	.322	.0051	.0054	.0000	.0000	.0000	.0000
59	.328	.0060	.0062	.0000	.0000	.0000	.0000
60	.333	.0078	.0069	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 27/12/59 AV. T= 8.0 RECORD = JHB32
HOUR = 21 SIG.HGT. = 15.6 UPPER HGT. = 17.1
TOTAL OF =181 CURR. VAR. = 15.3 LOWER HGT. = 14.1
NOISE LEVEL = .0110 WIND SPEED = 0

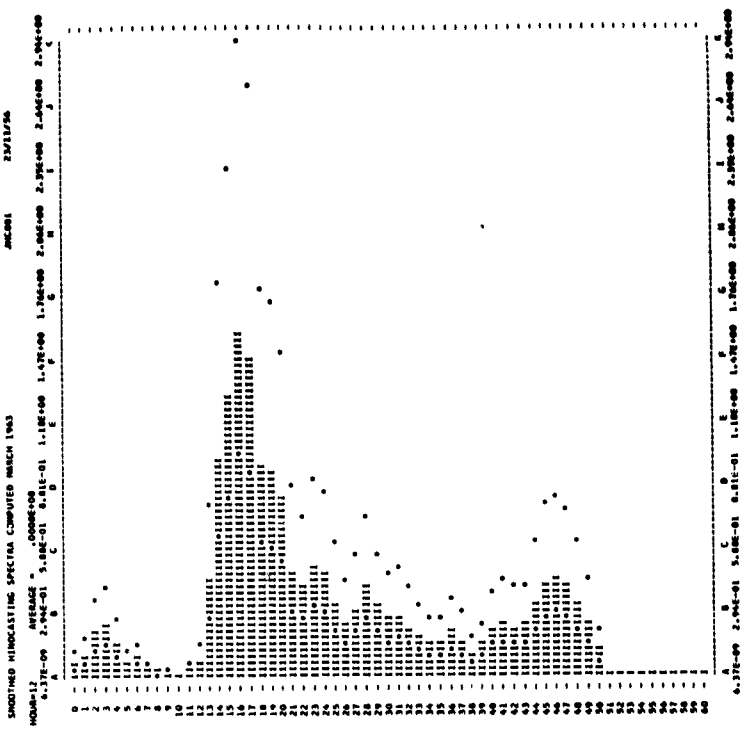
M	FRE.	UNIT*FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0385	.0385	.0275	.0275	.0507	.0175
1	.006	.0690	.0690	.0580	.0580	.1069	.0369
2	.011	.0837	.0837	.0727	.0727	.1340	.0463
3	.017	.0501	.0501	.0391	.0391	.0721	.0249
4	.022	.0320	.0320	.0210	.0210	.0387	.0134
5	.028	.0220	.0220	.0110	.0110	.0203	.0070
6	.033	.0126	.0126	.0016	.0025	.0047	.0016
7	.039	.0126	.0126	.0016	.0021	.0039	.0014
8	.044	.0159	.0159	.0049	.0058	.0108	.0037
9	.050	.0285	.0285	.0175	.0194	.0358	.0124
10	.056	.0779	.0779	.0669	.0711	.1311	.0453
11	.061	.1380	.1380	.1270	.1318	.2429	.0839
12	.067	.3180	.3180	.3070	.3149	.5804	.2005
13	.072	.9677	.9677	.9367	.9611	1.7714	.6119
14	.078	1.7578	1.7578	1.7468	1.8080	3.3323	1.1512
15	.083	1.8850	1.8850	1.8740	1.9703	3.6316	1.2546
16	.089	1.4229	1.4229	1.4119	1.5013	2.7671	.9559
17	.094	1.0100	1.0100	.9990	1.1023	2.0317	.7019
18	.100	.7480	.7480	.7370	.8390	1.5464	.5342
19	.106	.6420	.6420	.6310	.7449	1.3730	.4743
20	.111	.5470	.5470	.5360	.6582	1.2132	.4191
21	.117	.4040	.4040	.3930	.5037	.9284	.3207
22	.122	.2830	.2830	.2720	.3651	.6730	.2325
23	.128	.2140	.2140	.2030	.2863	.5278	.1823
24	.133	.2190	.2190	.2080	.3093	.5702	.1970
25	.139	.2180	.2180	.2070	.3297	.6002	.2074
26	.144	.1800	.1800	.1690	.2820	.5197	.1795
27	.150	.1310	.1310	.1200	.2129	.3923	.1359
28	.156	.1170	.1170	.1060	.2006	.3697	.1277
29	.161	.1170	.1170	.1060	.2145	.3953	.1366
30	.167	.0969	.0969	.0859	.1865	.3437	.1187
31	.172	.0860	.0860	.0750	.1769	.3224	.1114
32	.178	.0863	.0863	.0753	.1896	.3494	.1207
33	.183	.0869	.0869	.0759	.1920	.2801	.0968
34	.189	.0445	.0445	.0335	.1047	.1930	.0667
35	.194	.0426	.0426	.0316	.1012	.1866	.0644
36	.200	.0389	.0389	.0279	.0974	.1795	.0620
37	.206	.0344	.0344	.0234	.0892	.1644	.0568
38	.211	.0398	.0398	.0240	.1035	.1908	.0659
39	.217	.0344	.0344	.0234	.1073	.1978	.0683
40	.222	.0218	.0228	.0118	.0597	.1100	.0380
41	.228	.0193	.0169	.0058	.0327	.0604	.0208
42	.233	.0191	.0195	.0085	.0525	.0968	.0334
43	.239	.0266	.0241	.0131	.0894	.1648	.0569
44	.244	.0241	.0229	.0119	.0906	.1669	.0575
45	.250	.0180	.0180	.0078	.0662	.1221	.0422
46	.256	.0176	.0175	.0064	.0620	.1142	.0395
47	.261	.0182	.0172	.0062	.0659	.1206	.0417
48	.267	.0167	.0163	.0053	.0628	.1158	.0400
49	.272	.0179	.0168	.0059	.0706	.1645	.0499
50	.278	.0177	.0168	.0058	.0677	.1616	.0558
51	.283	.0143	.0148	.0038	.0655	.1207	.0417
52	.289	.0130	.0122	.0013	.0244	.0450	.0156
53	.294	.0087	.0097	.0000	.0000	.0000	.0000
54	.300	.0083	.0089	.0000	.0000	.0000	.0000
55	.306	.0102	.0096	.0000	.0000	.0000	.0000
56	.311	.0090	.0106	.0000	.0000	.0000	.0000
57	.317	.0128	.0128	.0018	.0382	.0705	.0243
58	.322	.0125	.0119	.0009	.0467	.0750	.0259
59	.328	.0097	.0104	.0000	.0000	.0000	.0000
60	.333	.0096	.0096	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 23/11/56 | AV. T= 6.7 | RECORD = JMC001
HOUR = 12 | SIG.HGT. = 17.0 | UPPER HGT. = 18.2
TOTAL DF =240 | CORR. VAR. = 18.0 | LOWER HGT. = 15.8
NOISE LEVEL = .0096 | WIND SPEED = 20

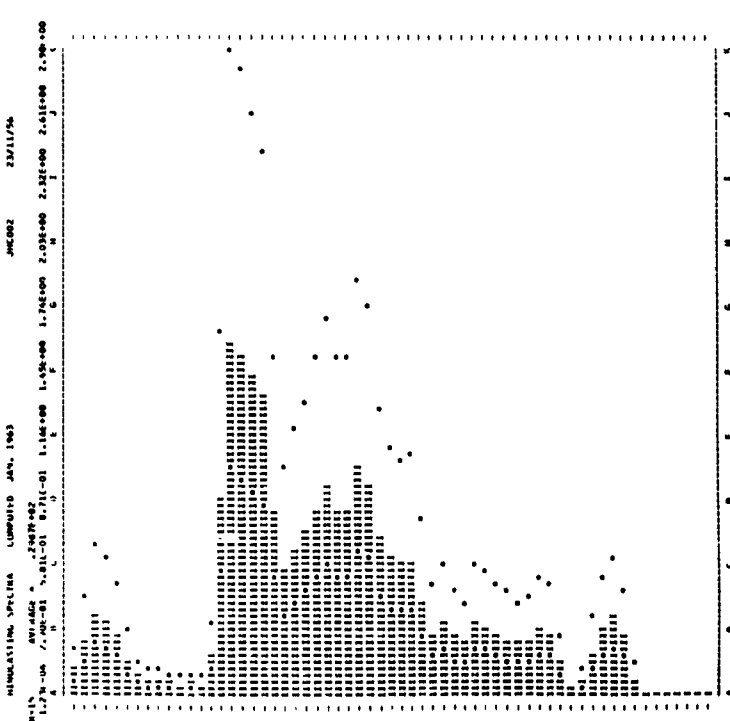
M	FRE.	UNIT-FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.9782	.0782	.0686	.0686	.1172	.0405
1	.006	.1116	.1116	.1018	.1018	.1876	.0648
2	.011	.2099	.2099	.1913	.1913	.3525	.1218
3	.017	.2215	.2215	.2019	.2019	.4009	.1613
4	.022	.1678	.1678	.1374	.1374	.2852	.0479
5	.028	.0706	.0706	.0708	.0708	.1290	.0446
6	.033	.0482	.0482	.0306	.0117	.1306	.0520
7	.039	.0342	.0342	.0246	.0238	.0622	.0215
8	.044	.0231	.0231	.0139	.0168	.0309	.0107
9	.050	.0201	.0201	.0109	.0123	.0227	.0078
10	.056	.0199	.0199	.0013	.0014	.0027	.0000
11	.061	.0357	.0357	.0261	.0294	.0542	.0187
12	.067	.0737	.0737	.0661	.0727	.1339	.0463
13	.072	.1788	.1788	.1692	.1863	.3857	.1714
14	.078	.3462	.3462	.3366	.3930	1.0303	.4323
15	.083	1.0521	1.0521	1.0435	1.2827	2.3641	.8167
16	.089	1.2507	1.2507	1.2411	1.5962	2.9383	1.0191
17	.094	1.1035	1.1035	1.0989	1.6799	2.7376	.9423
18	.100	.6926	.6926	.6879	.9781	1.7972	.6209
19	.106	.6272	.6272	.6176	.9383	1.7294	.5974
20	.111	.5126	.5126	.5030	.8169	1.5066	.5201
21	.117	.3799	.3799	.3703	.6715	.8650	.3082
22	.122	.2846	.2846	.2750	.4847	.7460	.2577
23	.128	.2548	.2548	.2452	.3905	.9225	.3187
24	.133	.2208	.2208	.2104	.4679	.8826	.2979
25	.139	.1665	.1665	.1369	.3393	.6162	.2122
26	.144	.0991	.0991	.0895	.2395	.4416	.1528
27	.150	.1117	.1117	.1021	.3013	.5554	.1919
28	.156	.1333	.1333	.1237	.4067	.7459	.2577
29	.161	.0944	.0944	.0848	.3087	.5689	.1965
30	.167	.0711	.0711	.0615	.2503	.4613	.1593
31	.172	.0490	.0490	.0394	.2710	.4996	.1726
32	.178	.0518	.0518	.0422	.2171	.4002	.1382
33	.183	.0409	.0409	.0313	.1819	.3354	.1159
34	.189	.0316	.0316	.0218	.1440	.2655	.0917
35	.194	.0291	.0291	.0195	.1468	.2705	.0934
36	.200	.0322	.0322	.0226	.1948	.3591	.1241
37	.206	.0259	.0259	.0163	.1617	.2973	.1027
38	.211	.0183	.0183	.0087	.0992	.1829	.0632
39	.217	.0196	.0196	.0100	.1323	.2438	.0842
40	.222	.0246	.0233	.0137	.2116	.3900	.1347
41	.228	.0246	.0232	.0136	.2492	.4520	.1562
42	.233	.0192	.0199	.0103	.2178	.4014	.1387
43	.239	.0188	.0186	.0090	.2240	.4128	.1426
44	.244	.0218	.0208	.0112	.3278	.6042	.2087
45	.250	.0244	.0218	.0122	.4293	.7838	.2708
46	.256	.0200	.0204	.0108	.4473	.8245	.2848
47	.261	.0189	.0181	.0084	.4183	.7710	.2663
48	.267	.0165	.0152	.0056	.3310	.6101	.2108
49	.272	.0129	.0129	.0033	.2374	.4378	.1511
50	.278	.0115	.0108	.0012	.2054	.1963	.0671
51	.283	.0075	.0088	.0000	.0000	.0000	.0000
52	.289	.0086	.0083	.0000	.0000	.0000	.0000
53	.294	.0086	.0090	.0000	.0000	.0000	.0000
54	.300	.0101	.0109	.0012	.0012	.0023	.0008
55	.306	.0147	.0131	.0034	.0034	.0063	.0022
56	.311	.0128	.0122	.0025	.0025	.0047	.0016
57	.317	.0086	.0091	.0000	.0000	.0000	.0000
58	.322	.0069	.0076	.0000	.0000	.0000	.0000
59	.328	.0083	.0084	.0000	.0000	.0000	.0000
60	.333	.0098	.0090	.0000	.0000	.0000	.0000



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 23/11/56 | AV. T= 6.7 | RECORD = JMC002
HOUR = 15 | SIG.HGT. = 19.7 | UPPER HGT. = 21.0
TOTAL DF =303 | CURR. VAR. = 24.2 | LOWER HGT. = 18.4
NOISE LEVEL = .0070 | WIND SPEED = 30

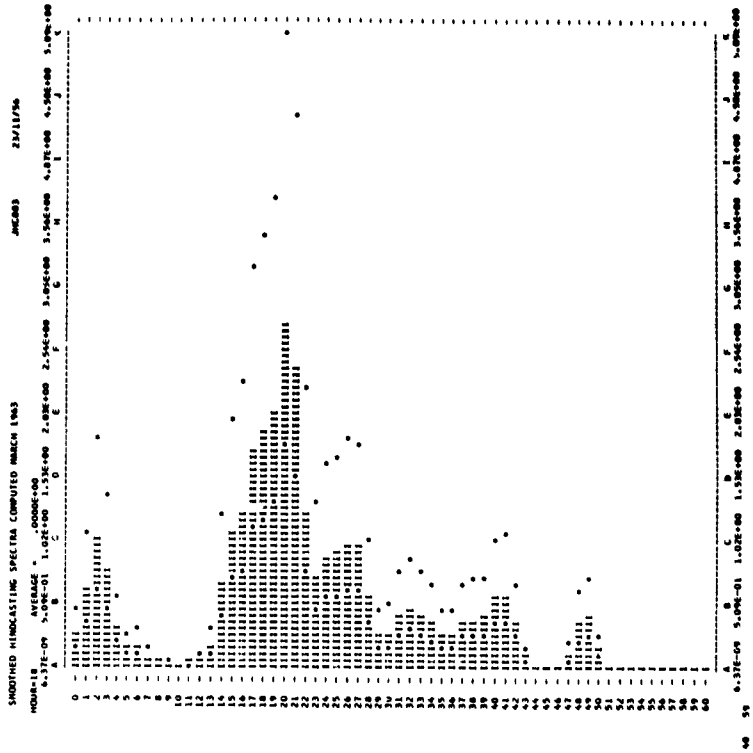
M	FRE.	UNIT-FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1172	.1172	.1103	.1103	.2032	.0702
1	.006	.2466	.2466	.2396	.2396	.4416	.1526
2	.011	.3667	.3667	.3597	.3597	.6629	.2290
3	.017	.3329	.3329	.3255	.3255	.5999	.2073
4	.022	.2753	.2753	.2683	.2683	.4945	.1708
5	.028	.1587	.1587	.1518	.1518	.2797	.0966
6	.033	.0585	.0585	.0519	.0833	.1534	.0530
7	.039	.0510	.0510	.0440	.0666	.1116	.0385
8	.044	.0602	.0602	.0533	.0663	.1223	.0422
9	.050	.0513	.0463	.0520	.0959	.0331
10	.056	.0424	.0424	.0354	.0404	.0746	.0257
11	.061	.0479	.0479	.0409	.0458	.0843	.0291
12	.067	.0436	.0436	.0366	.0416	.0766	.0265
13	.072	.1615	.1615	.1545	.1784	.3288	.1136
14	.078	.7437	.7437	.7367	.8745	1.6119	.5568
15	.083	1.2073	1.2074	1.2803	1.5753	2.9039	1.0031
16	.089	1.1924	1.1924	1.1854	1.5226	2.8064	.9693
17	.094	1.0613	1.0613	1.0543	1.4238	2.6242	.9066
18	.100	.9325	.9325	.9255	1.3214	2.4355	.8414
19	.106	.5638	.5566	.5136	1.5033	.5193
20	.111	.3644	.3644	.3575	.5481	1.0102	.3490
21	.117	.3761	.3671	.3603	1.1802	.4077
22	.122	.3873	.3873	.3803	.7160	1.3197	.4559
23	.128	.4113	.4113	.4043	.8234	1.5216	.5256
24	.133	.4207	.4207	.4137	.9202	1.6961	.5859
25	.139	.3642	.3642	.3392	.8260	1.5226	.5259
26	.144	.3160	.3090	.8270	1.5242	.5266
27	.150	.3907	.3567	.3437	1.0167	1.8703	.6461
28	.156	.2936	.2936	.2866	.9377	1.7285	.5971
29	.161	.1973	.1973	.1903	.6929	1.2772	.4412
30	.167	.1536	.1464	.5960	1.0986	.3795
31	.172	.1322	.1322	.1252	.5718	1.0538	.3641
32	.178	.1211	.1211	.1141	.5877	1.0832	.3742
33	.183	.0791	.0791	.0721	.4194	.7731	.2671
34	.189	.0477	.0477	.0407	.2691	.4959	.1713
35	.194	.0493	.0493	.0423	.3188	.5876	.2030
36	.200	.0356	.0354	.0286	.2671	.4554	.1573
37	.206	.0298	.0298	.0228	.2181	.4019	.1389
38	.211	.0341	.0271	.3100	.5714	.1974
39	.217	.0296	.0296	.0227	.3006	.5540	.1914
40	.222	.0242	.0246	.0176	.2720	.5012	.1732
41	.228	.0205	.0206	.0136	.2646	.4913	.1559
42	.233	.0172	.0178	.0108	.2476	.4565	.1649
43	.239	.0162	.0166	.0097	.2397	.4418	.1526
44	.244	.0169	.0165	.0095	.2785	.5133	.1773
45	.250	.0158	.0164	.0076	.2632	.4852	.1676
46	.256	.0097	.0103	.0033	.2138	.3942	.1377
47	.261	.0081	.0074	.0005	.0232	.0427	.0148
48	.267	.0079	.0080	.0010	.0612	.1128	.0390
49	.272	.0101	.0096	.0026	.1861	.3430	.1185
50	.278	.0102	.0103	.0033	.2879	.5306	.1833
51	.283	.0087	.0102	.0032	.3349	.6172	.2132
52	.289	.0091	.0090	.0020	.2561	.4684	.1618
53	.294	.0078	.0074	.0005	.0716	.1319	.0456
54	.300	.0064	.0062	.0000	.0000	.0000	.0000
55	.306	.0057	.0053	.0000	.0000	.0000	.0000
56	.311	.0053	.0057	.0000	.0000	.0000	.0000
57	.317	.0076	.0068	.0000	.0000	.0000	.0000
58	.322	.0068	.0068	.0000	.0000	.0000	.0000
59	.328	.0059	.0062	.0000	.0000	.0000	.0000
60	.333	.0063	.0061	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 23/11/56 | AV. T= 7.3 | RECORD = JMC003
HOUR = 18 | SIG.HGT. = 21.9 | UPPER HGT. = 23.6
TOTAL DF =230 | CORR. VAR. = 30.0 | LOWER HGT. = 20.3
NOISE LEVEL = .0147 | WIND SPEED = 40

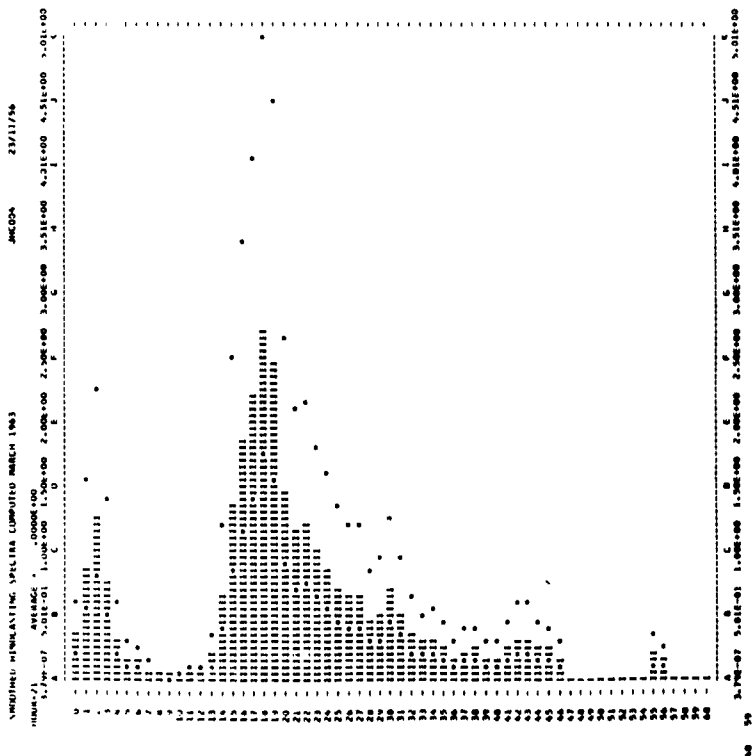
M	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.2629	.2629	.2482	.2482	.4574	.1580
1	.006	.6058	.6058	.5911	.5911	1.0894	.3764
2	.011	1.0075	1.0075	.9928	.9928	1.8298	.6321
3	.017	.7566	.7566	.7419	.7419	1.3674	.4724
4	.022	.3193	.3193	.3046	.3046	.5612	.1882
5	.028	.1867	.1867	.1720	.1720	.3169	.1101
6	.033	.1109	.1109	.0962	.1594	.2864	.0988
7	.039	.0660	.0660	.0513	.0704	.1298	.0448
8	.044	.0679	.0679	.0532	.0613	.0761	.0263
9	.050	.0292	.0292	.0145	.0170	.0313	.0108
10	.056	.0236	.0236	.0089	.0101	.0186	.0064
11	.061	.0380	.0380	.0233	.0263	.0484	.0167
12	.067	.0582	.0582	.0435	.0493	.0909	.0314
13	.072	.1693	.1693	.1506	.1739	.3206	.1107
14	.078	.3781	.3781	.3634	.4687	1.2325	.4258
15	.083	.9000	.9000	.8853	1.0892	2.0076	.6936
16	.089	.9782	.9782	.9635	1.2376	2.2810	.7880
17	.094	1.2941	1.2941	1.2794	1.7276	3.1843	1.1001
18	.100	1.5245	1.5245	1.5098	1.8699	5.4446	1.1907
19	.106	1.3603	1.3603	1.3456	2.0443	3.7680	1.3017
20	.111	1.7140	1.7140	1.6993	2.7598	5.0867	1.7573
21	.117	1.5961	1.5961	1.5794	2.4062	4.4369	1.5321
22	.122	.6599	.6599	.6452	1.2147	2.2389	.7735
23	.128	.3688	.3688	.3533	.7212	1.3292	.4592
24	.133	.4118	.4118	.3971	.6832	1.6278	.5624
25	.139	.3864	.3864	.3717	.9058	1.6698	.5768
26	.144	.3809	.3809	.3662	.9800	1.8063	.6240
27	.150	.3663	.3663	.3516	.9789	1.8042	.6233
28	.156	.1825	.1825	.1678	.5690	1.0119	.3496
29	.161	.0855	.0855	.0708	.2577	.4749	.1641
30	.167	.0810	.0810	.0663	.2698	.4972	.1718
31	.172	.1065	.1065	.0918	.4189	.7721	.2667
32	.178	.1073	.1073	.0926	.4764	.8784	.3035
33	.183	.0875	.0875	.0728	.4234	.7806	.2696
34	.189	.0688	.0688	.0541	.3575	.6590	.2277
35	.194	.0485	.0485	.0338	.2545	.4691	.1620
36	.200	.0446	.0446	.0299	.2578	.4752	.1642
37	.206	.0517	.0517	.0370	.3465	.6386	.2334
38	.211	.0478	.0478	.0331	.3784	.6974	.2409
39	.217	.0448	.0448	.0301	.3989	.7352	.2540
40	.222	.0532	.0504	.0357	.5500	1.0138	.3502
41	.228	.0504	.0465	.0317	.5715	1.0534	.3639
42	.233	.0319	.0323	.0176	.3707	.6832	.2360
43	.239	.0150	.0183	.0036	.0897	.1653	.0571
44	.244	.0115	.0131	.0000	.0000	.0000	.0000
45	.250	.0144	.0136	.0000	.0000	.0000	.0000
46	.256	.0142	.0147	.0000	.0000	.0000	.0000
47	.261	.0161	.0170	.0023	.1120	.2064	.0713
48	.267	.0216	.0203	.0056	.3335	.6148	.2124
49	.272	.0221	.0203	.0055	.3960	.7298	.2522
50	.278	.0153	.0163	.0016	.1394	.2570	.0888
51	.283	.0127	.0130	.0000	.0000	.0000	.0000
52	.289	.0115	.0116	.0000	.0000	.0000	.0000
53	.294	.0106	.0115	.0000	.0000	.0000	.0000
54	.300	.0134	.0128	.0000	.0000	.0000	.0000
55	.306	.0138	.0143	.0000	.0000	.0000	.0000
56	.311	.0163	.0166	.0018	.0018	.0034	.0012
57	.317	.0199	.0190	.0043	.0043	.0079	.0027
58	.322	.0201	.0178	.0031	.0031	.0078	.0027
59	.328	.0158	.0158	.0011	.0011	.0020	.0007
60	.333	.0116	.0137	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 23/11/56 | AV. T= 7.7 | RECORD = JMC004
HOUR = 21 | SIG.HGT. = 21.6 | UPPER HGT. = 23.3
TOTAL DF =230 | CORR. VAR. = 29.2 | LOWER HGT. = 20.0
NOISE LEVEL = .0128 | WIND SPEED = 40

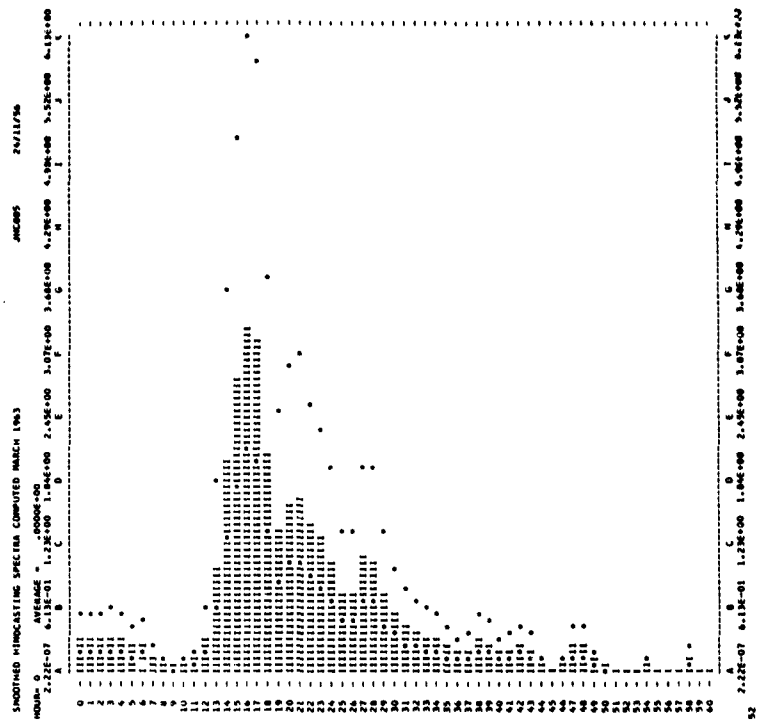
M	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.3450	.3450	.3322	.3322	.6122	.2115
1	.006	.8451	.8451	.8323	.8323	1.5340	.5299
2	.011	1.2450	1.2450	1.2322	1.2322	2.2711	.7846
3	.017	.7752	.7752	.7624	.7624	1.4052	.4854
4	.022	.3253	.3253	.3125	.3125	.5759	.1990
5	.028	.1857	.1857	.1729	.1729	.3186	.1101
6	.033	.1009	.1009	.0881	.1423	.2623	.0906
7	.039	.0663	.0663	.0515	.0707	.1303	.0450
8	.044	.0451	.0451	.0323	.0402	.0741	.0256
9	.050	.0366	.0366	.0238	.0279	.0515	.0178
10	.056	.0306	.0306	.0178	.0203	.0373	.0129
11	.061	.0493	.0493	.0365	.0412	.0759	.0262
12	.067	.0690	.0690	.0562	.0837	.1174	.0406
13	.072	.1788	.1788	.1660	.1916	.3532	.1220
14	.078	.5712	.5712	.5584	.6628	1.2216	.4220
15	.083	1.1099	1.1099	1.0971	1.3498	2.4879	.8595
16	.089	1.4483	1.4483	1.4355	1.8439	3.3983	1.1741
17	.094	1.6440	1.6440	1.6312	2.2027	4.0600	1.4026
18	.100	1.9157	1.9157	1.9029	2.7167	5.0073	1.7298
19	.106	1.6258	1.6258	1.6130	2.4506	4.5168	1.5606
20	.111	.8939	.8939	.8807	1.4303	2.6362	.9107
21	.117	.6597	.6597	.6469	1.1284	2.0798	.7185
22	.122	.6399	.6399	.6271	1.1806	2.1761	.7518
23	.128	.4984	.4984	.4836	.9872	1.8196	.6286
24	.133	.3979	.3979	.3851	.8965	1.5787	.5454
25	.139	.3100	.3100	.2972	.7236	1.3337	.4607
26	.144	.2557	.2557	.2429	.6500	1.1981	.4139
27	.150	.2348	.2348	.2220	.6553	1.2079	.4173
28	.156	.1566	.1566	.1438	.4705	.8672	.2996
29	.161	.1509	.1509	.1381	.5028	.9267	.3201
30	.167	.1804	.1804	.1676	.6822	1.2575	.4344
31	.172	.1276	.1276	.1148	.5240	.9658	.3336
32	.178	.0805	.0805	.0677	.3686	.6422	.2219
33	.183	.0615	.0615	.0487	.2832	.5220	.1803
34	.189	.0564	.0564	.0436	.2882	.5311	.1835
35	.194	.0457	.0457	.0329	.2478	.4567	.1578
36	.200	.0314	.0314	.0186	.1603	.2955	.1021
37	.206	.0344	.0344	.0216	.2139	.3943	.1362
38	.211	.0328	.0328	.0200	.2286	.4213	.1455
39	.217	.0245	.0245	.0117	.1549	.2854	.0986
40	.222	.0223	.0235	.0107	.1656	.3048	.1053
41	.228	.0251	.0257	.0129	.2327	.4289	.1482
42	.233	.0305	.0282	.0154	.3250	.5990	.2069
43	.239	.0268	.0258	.0130	.3221	.5937	.2051
44	.244	.0191	.0213	.0085	.2501	.4609	.1592
45	.250	.0206	.0194	.0066	.2287	.4215	.1456
46	.256	.0177	.0189	.0039	.1635	.3014	.1041
47	.261	.0113	.0129	.0001	.0047	.0087	.0030
48	.267	.0114	.0113	.0000	.0000	.0000	.0000
49	.272	.0113	.0116	.0000	.0000	.0000	.0000
50	.278	.0123	.0123	.0000	.0000	.0000	.0000
51	.283	.0136	.0121	.0000	.0000	.0000	.0000
52	.289	.0103	.0110	.0000	.0000	.0000	.0000
53	.294	.0101	.0108	.0000	.0000	.0000	.0000
54	.300	.0128	.0124	.0000	.0000	.0000	.0000
55	.306	.0140	.0136	.0008	.1997	.3588	.1240
56	.311	.0138	.0133	.0005	.1455	.2681	.0926
57	.317	.0117	.0122	.0000	.0000	.0000	.0000
58	.322	.0116	.0124	.0000	.0000	.0000	.0000
59	.328	.0148	.0144	.0016	.0016	.0029	.0010
60	.333	.0165	.0157	.0028	.0028	.0052	.0018



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 24/11/56 AV. T= 7.9 RECORD = JMC005
HOUR = 0 SIG.HGT. = 23.9 UPPER HGT. = 26.5
TOTAL DF =213 CORR. VAR. = 34.7 LOWER HGT. = 21.8
NOISE LEVEL = .0104 WIND SPEED = 40

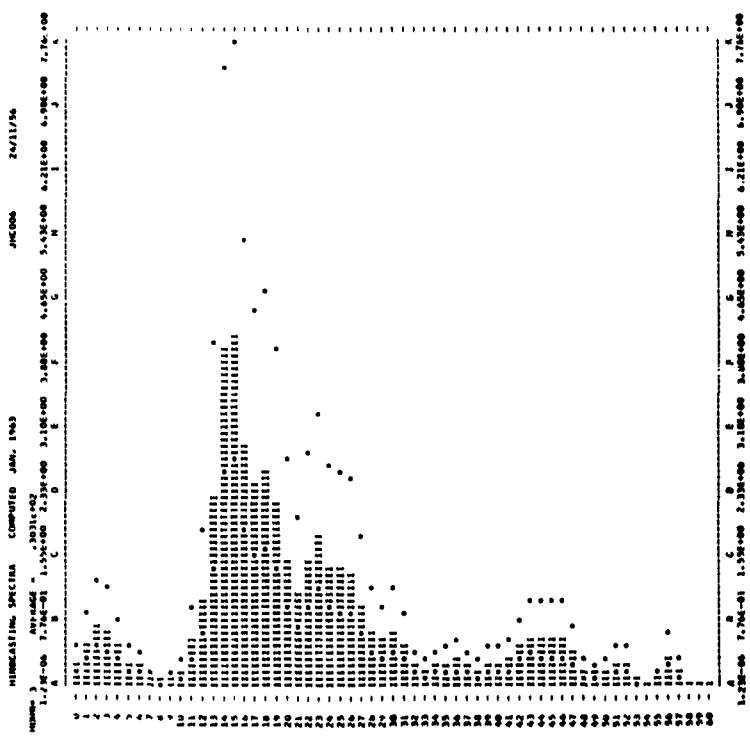
H	PRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.3114	.3114	.3010	.3010	.5947	.1916
1	.006	.3008	.3008	.2908	.2908	.5907	.1908
2	.011	.3123	.3123	.3119	.3119	.5768	.1986
3	.017	.3499	.3499	.3398	.3398	.6183	.2136
4	.022	.3127	.3127	.3023	.3023	.5871	.1928
5	.028	.2326	.2326	.2222	.2222	.4695	.1418
6	.033	.1796	.1796	.1692	.1588	.4778	.1648
7	.039	.1168	.1168	.1064	.1461	.2694	.0931
8	.044	.0668	.0668	.0564	.0692	.1275	.0441
9	.050	.0427	.0427	.0323	.0379	.0698	.0261
10	.056	.0429	.0429	.0321	.0593	.1096	.0378
11	.061	.0992	.0992	.0888	.1062	.1847	.0638
12	.067	.2911	.2911	.2807	.3184	.5868	.2027
13	.072	.4763	.4763	.4659	.4998	1.0428	.4568
14	.078	1.7009	1.7009	1.6905	2.0864	3.8984	1.2777
15	.083	2.2915	2.2915	2.2811	2.8066	5.1750	1.7871
16	.089	2.6000	2.6000	2.5896	3.3263	6.1309	2.1180
17	.094	2.3825	2.3825	2.3721	3.2032	5.9060	2.0396
18	.100	1.4649	1.4649	1.4545	2.0765	3.8274	1.3227
19	.106	.9027	.9027	.8923	1.3556	2.4986	.8632
20	.111	.9924	.9924	.9820	1.5048	2.9395	1.0155
21	.117	.9612	.9612	.9508	1.6585	3.0569	1.0560
22	.122	.7523	.7523	.7419	1.3968	2.5745	.8894
23	.128	.6316	.6316	.6212	1.2681	2.3373	.8075
24	.133	.4903	.4903	.4799	1.0674	1.9673	.6796
25	.139	.3099	.3099	.2995	.7292	1.3440	.4643
26	.144	.2883	.2883	.2780	.7357	1.3559	.4684
27	.150	.3740	.3740	.3636	1.0733	1.9783	.6834
28	.156	.3360	.3360	.3256	1.0654	1.9637	.6784
29	.161	.2075	.2075	.1971	.7176	1.3226	.4569
30	.167	.1611	.1611	.1507	.5320	.9805	.3387
31	.172	.1037	.1037	.0933	.4258	.7848	.2711
32	.178	.0786	.0786	.0682	.3510	.6468	.2235
33	.183	.0646	.0646	.0542	.3268	.6024	.2081
34	.189	.0552	.0552	.0448	.2960	.5456	.1885
35	.194	.0407	.0407	.0303	.2281	.4205	.1453
36	.200	.0304	.0304	.0200	.1724	.3177	.1097
37	.206	.0296	.0296	.0192	.1900	.3503	.1210
38	.211	.0352	.0352	.0248	.2834	.5224	.1805
39	.217	.0310	.0310	.0206	.2728	.5029	.1737
40	.222	.0180	.0217	.0112	.1733	.3195	.1104
41	.228	.0197	.0206	.0102	.1830	.3373	.1165
42	.233	.0250	.0221	.0117	.2467	.4547	.1571
43	.239	.0188	.0185	.0081	.2002	.3691	.1275
44	.244	.0114	.0125	.0021	.0613	.1129	.0390
45	.250	.0085	.0100	.0000	.0000	.0000	.0000
46	.256	.0117	.0121	.0017	.0710	.1308	.0452
47	.261	.0167	.0150	.0045	.2248	.4144	.1431
48	.267	.0149	.0143	.0038	.2282	.4205	.1453
49	.272	.0108	.0119	.0015	.1064	.1962	.0678
50	.278	.0113	.0109	.0005	.0401	.0738	.0255
51	.283	.0102	.0098	.0000	.0000	.0000	.0000
52	.289	.0076	.0088	.0000	.0000	.0000	.0000
53	.294	.0099	.0098	.0000	.0000	.0000	.0000
54	.300	.0118	.0107	.0003	.0505	.0931	.0322
55	.306	.0093	.0098	.0000	.0000	.0000	.0000
56	.311	.0089	.0093	.0000	.0000	.0000	.0000
57	.317	.0102	.0097	.0000	.0000	.0000	.0000
58	.322	.0103	.0107	.0003	.1424	.2624	.0906
59	.328	.0122	.0122	.0018	.0033	.0033	.0011
60	.333	.0142	.0132	.0028	.0028	.0051	.0018



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 24/11/56 AV. T= 7.4 RECORD = JMC006
HOUR = 3 SIG.HGT. = 27.0 UPPER HGT. = 29.1
TOTAL DF =239 CORR. VAR. = 45.4 LOWER HGT. = 25.1
NOISE LEVEL = .0076 WIND SPEED = 40

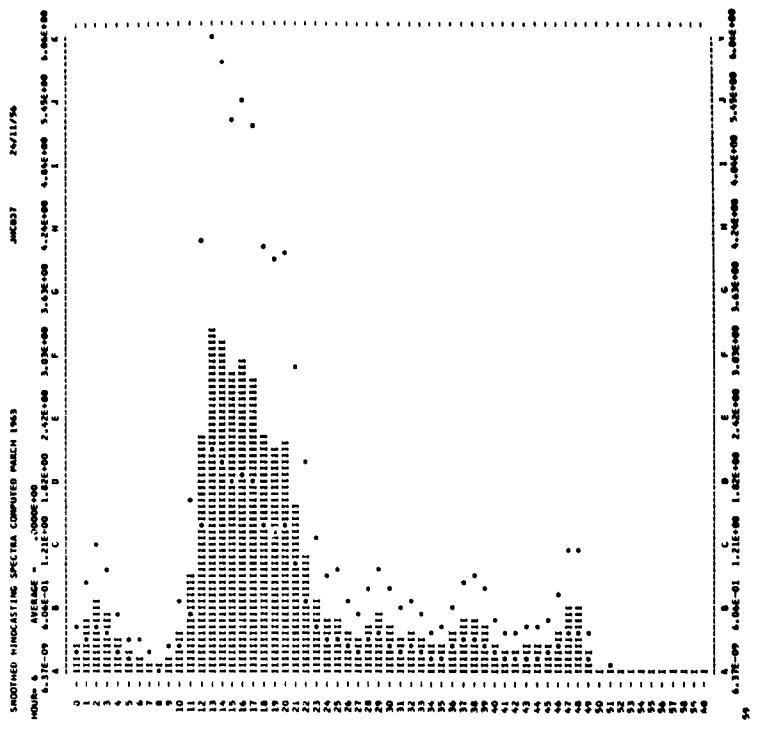
H	PRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.004	.2672	.2672	.2595	.2535	.4784	.1653
1	.006	.4782	.4782	.4706	.4706	.8674	.2997
2	.011	.4916	.4916	.4839	.4839	1.2606	.4355
3	.017	.6193	.6193	.6117	.6117	1.1274	.3895
4	.022	.4378	.4378	.4302	.4302	.7928	.2739
5	.028	.2536	.2536	.2459	.2459	.4533	.1566
6	.033	.1371	.1371	.1295	.2092	.3856	.1332
7	.039	.0700	.0700	.0624	.0858	.1581	.0546
8	.044	.0555	.0555	.0478	.0996	.1098	.0379
9	.050	.0763	.0763	.0686	.0783	.1443	.0498
10	.056	.1553	.1553	.1477	.1684	.3103	.1072
11	.061	.4683	.4683	.4607	.5201	.9587	.3312
12	.067	.8886	.8886	.8810	.9993	1.8419	.6363
13	.072	1.9301	1.9301	1.9224	2.1198	4.0815	1.4139
14	.078	3.4203	3.4203	3.4127	4.0508	7.4663	2.5793
15	.083	3.4281	3.4281	3.4205	4.2084	7.7571	2.6798
16	.089	2.2681	2.2681	2.2605	2.9036	5.3517	1.8488
17	.094	1.8097	1.8097	1.8021	2.4336	4.4855	1.5496
18	.100	1.8097	1.8097	1.8021	2.5728	4.7421	1.6382
19	.106	1.4447	1.4447	1.4371	2.1833	4.0242	1.3902
20	.111	.9099	.9099	.9019	1.4648	2.6998	.9327
21	.117	.6317	.6317	.6241	1.0887	2.0066	.6932
22	.122	.8095	.8095	.8018	1.5097	2.7826	.9613
23	.128	.8827	.8827	.8751	1.7865	3.2927	1.1375
24	.133	.6443	.6443	.6366	1.4161	2.6101	.9017
25	.139	.5080	.5080	.5723	1.3936	2.5685	.8873
26	.144	.5108	.5108	.5031	1.3466	2.4820	.8575
27	.150	.3320	.3320	.3244	.9577	1.7651	.6098
28	.156	.2044	.2044	.1970	.6447	1.1883	.4105
29	.161	.1584	.1584	.1430	.5206	.9595	.3315
30	.167	.1588	.1588	.1586	.6123	1.1286	.3899
31	.172	.1113	.1113	.1037	.4733	.8724	.3014
32	.178	.0457	.0457	.0381	.1961	.3615	.1249
33	.183	.0361	.0361	.0285	.1650	.3057	.1056
34	.189	.0418	.0418	.0341	.2258	.4161	.1438
35	.194	.0414	.0414	.0338	.2547	.4694	.1622
36	.200	.0469	.0469	.0333	.2877	.5302	.1832
37	.206	.0308	.0308	.0232	.2298	.4235	.1463
38	.211	.0220	.0220	.0143	.1652	.3026	.1044
39	.217	.0260	.0260	.0183	.2432	.4482	.1548
40	.222	.0247	.0247	.0170	.2629	.4845	.1674
41	.228	.0211	.0242	.0165	.2977	.5488	.1896
42	.233	.0286	.0279	.0203	.4281	.7890	.2726
43	.239	.0333	.0297	.0221	.5533	1.0198	.3523
44	.244	.0264	.0268	.0188	.5438	1.0023	.3463
45	.250	.0226	.0238	.0158	.5339	.9840	.3399
46	.256	.0226	.0206	.0129	.5362	.9884	.3414
47	.261	.0199	.0194	.0077	.3858	.7076	.2444
48	.267	.0092	.0186	.0090	.1791	.3300	.1140
49	.272	.0091	.0094	.0018	.1295	.2313	.0799
50	.278	.0100	.0098	.0022	.1885	.3475	.1201
51	.283	.0101	.0101	.0025	.2601	.4795	.1656
52	.289	.0103	.0094	.0019	.2496	.4578	.1581
53	.294	.0077	.0079	.0003	.0456	.0840	.0290
54	.300	.0061	.0078	.0000	.0000	.0000	.0000
55	.306	.0083	.0088	.0004	.0878	.1605	.0554
56	.311	.0093	.0088	.0011	.1309	.2408	.0831
57	.317	.0081	.0081	.0004	.1582	.2916	.1007
58	.322	.0068	.0067	.0000	.0000	.0000	.0000
59	.328	.0053	.0054	.0000	.0000	.0000	.0000
60	.333	.0041	.0047	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 24/11/56 AV. T= 8.0 RECORD = JHC007
HOUR = 6 SIG.HGT. = 28.5 UPPER HGT. = 27.6
TOTAL DP =220 CORR. VAR. = 40.6 LOWER HGT. = 21.6
NOISE LEVEL = .0160 WIND SPEED = 40

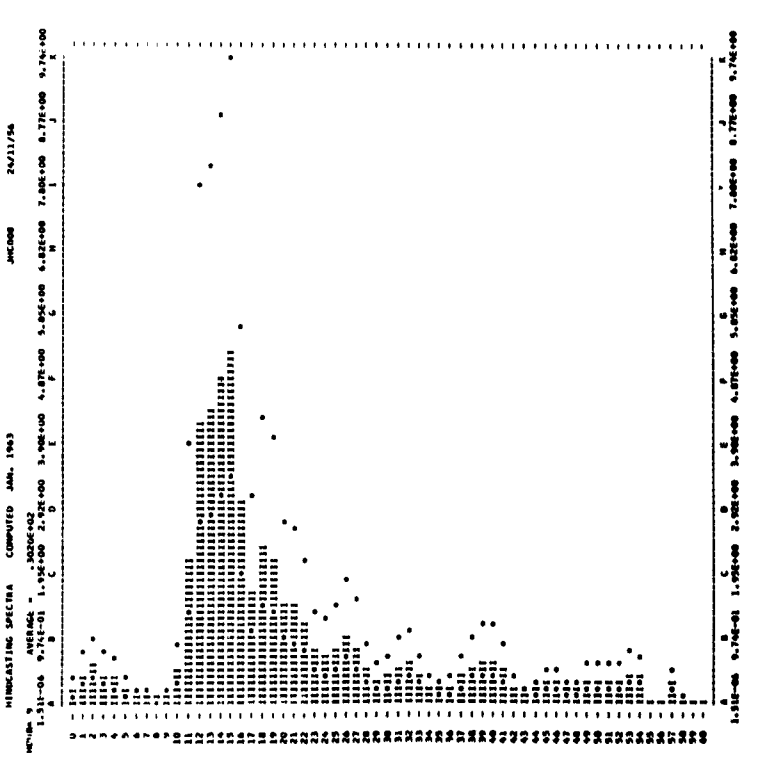
M	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.2849	.2849	.2380	.2380	.4367	.1915
1	.006	.4747	.4747	.4578	.4578	.8438	.2915
2	.011	.6882	.6882	.6713	.6713	1.2373	.4274
3	.017	.5474	.5474	.5305	.5305	.9778	.3378
4	.022	.3270	.3270	.3101	.3101	.5715	.1976
5	.028	.1788	.1788	.1619	.1619	.2984	.1031
6	.033	.1086	.1086	.0917	.1491	.2731	.0943
7	.039	.0819	.0819	.0650	.0893	.1646	.0569
8	.044	.0504	.0504	.0335	.0417	.0769	.0266
9	.050	.1424	.1424	.1255	.1474	.2717	.0939
10	.056	.3478	.3478	.3309	.3772	.6952	.2402
11	.061	.8163	.8163	.7994	.9026	1.6638	.5747
12	.067	1.9738	1.9738	1.9569	2.1197	4.0912	1.4134
13	.072	2.8624	2.8624	2.8455	3.2857	6.0560	2.0921
14	.078	2.6814	2.6814	2.6645	3.1627	5.8294	2.0138
15	.083	2.3447	2.3447	2.3278	2.8691	5.2790	1.8237
16	.089	2.3183	2.3183	2.2994	2.9536	5.4439	1.8807
17	.094	2.0977	2.0977	2.0808	2.8099	5.1791	1.7892
18	.100	1.9658	1.9658	1.9489	2.7114	4.9758	1.6881
19	.106	1.4218	1.4218	1.4049	2.1364	3.9361	1.3591
20	.111	1.3996	1.3996	1.3827	2.1807	4.0193	1.3885
21	.117	.9285	.9285	.9116	1.5902	2.9309	1.0125
22	.122	.9938	.9938	.9769	1.0862	2.0020	.6916
23	.128	.3517	.3517	.3348	.6859	1.2597	.4352
24	.133	.2420	.2420	.2251	.4007	.9228	.3188
25	.139	.2282	.2282	.2113	.3145	.9682	.3276
26	.144	.1507	.1507	.1328	.3581	.6600	.2280
27	.150	.1180	.1180	.1011	.2984	.5501	.1900
28	.156	.1481	.1481	.1312	.4293	.7913	.2734
29	.161	.1639	.1639	.1470	.5352	.9865	.3408
30	.167	.1184	.1184	.1015	.4132	.7616	.2631
31	.172	.0885	.0885	.0716	.3268	.6024	.2081
32	.178	.0868	.0868	.0699	.3598	.6633	.2291
33	.183	.0658	.0658	.0489	.2845	.5244	.1811
34	.189	.0491	.0491	.0322	.2129	.3924	.1356
35	.194	.0470	.0470	.0301	.2268	.4181	.1444
36	.200	.0565	.0565	.0396	.3418	.6300	.2176
37	.206	.0490	.0490	.0461	.4571	.8424	.2910
38	.211	.0600	.0600	.0431	.4932	.9090	.3140
39	.217	.0490	.0490	.0321	.4256	.7848	.2711
40	.222	.0306	.0361	.0172	.2698	.4901	.1693
41	.228	.0264	.0278	.0109	.1961	.3615	.1249
42	.233	.0278	.0267	.0098	.2072	.3819	.1319
43	.239	.0249	.0256	.0087	.2158	.3978	.1374
44	.244	.0248	.0244	.0075	.2198	.4052	.1400
45	.250	.0231	.0240	.0071	.2477	.4565	.1577
46	.256	.0251	.0241	.0092	.3819	.7040	.2432
47	.261	.0312	.0293	.0124	.4126	1.1292	.3901
48	.267	.0296	.0272	.0103	.4103	1.1249	.3886
49	.272	.0183	.0195	.0026	.1882	.3482	.1203
50	.278	.0120	.0149	.0000	.0000	.0000	.0000
51	.283	.0172	.0172	.0003	.0279	.0514	.0177
52	.289	.0223	.0201	.0032	.0032	.0059	.0020
53	.294	.0186	.0195	.0026	.0026	.0048	.0016
54	.300	.0185	.0194	.0025	.0025	.0046	.0016
55	.306	.0220	.0203	.0034	.0034	.0062	.0021
56	.311	.0186	.0185	.0016	.0016	.0030	.0010
57	.317	.0149	.0153	.0000	.0000	.0000	.0000
58	.322	.0129	.0133	.0000	.0000	.0000	.0000
59	.328	.0124	.0127	.0000	.0000	.0000	.0000
60	.333	.0132	.0128	.0000	.0000	.0000	.0000



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 24/11/56 AV. T= 7.7 RECORD = JHC008
HOUR = 9 SIG.HGT. = 28.5 UPPER HGT. = 31.0
TOTAL DP =200 CORR. VAR. = 50.9 LOWER HGT. = 24.3
NOISE LEVEL = .0188 WIND SPEED = 40

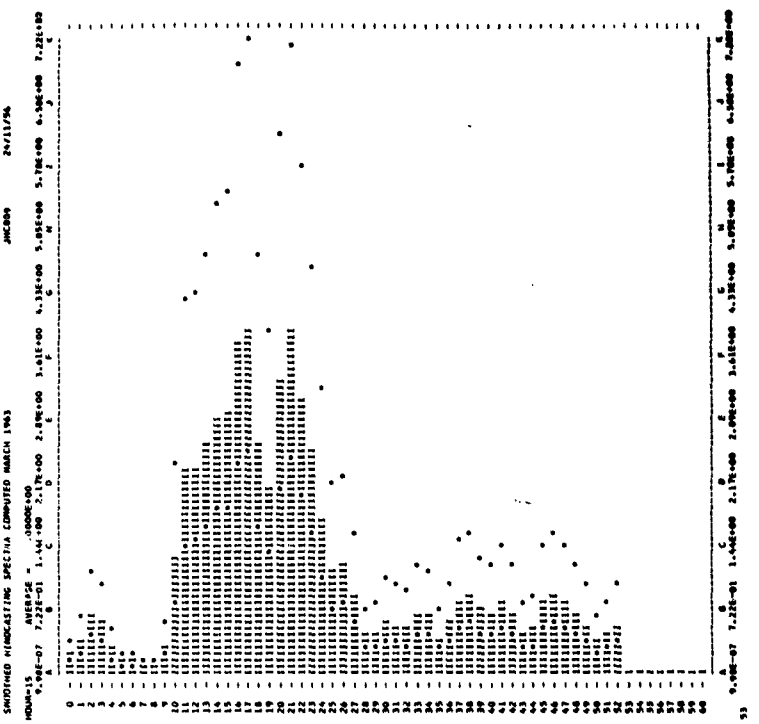
M	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.2374	.2374	.2186	.2186	.4028	.1392
1	.006	.4527	.4527	.4339	.4339	.7997	.2763
2	.011	.5678	.5678	.5490	.5490	1.0119	.3496
3	.017	.4389	.4389	.4201	.4201	.7744	.2675
4	.022	.3664	.3668	.3480	.3480	.6414	.2216
5	.028	.2217	.2217	.2029	.2029	.3740	.1292
6	.033	.0966	.0966	.0778	.1256	.2316	.0800
7	.039	.0770	.0770	.0582	.0800	.1474	.0509
8	.044	.0649	.0649	.0461	.0573	.1057	.0365
9	.050	.1307	.1307	.1119	.1315	.2423	.0837
10	.056	.4429	.4429	.4241	.4836	.8910	.3078
11	.061	1.9002	1.9002	1.8813	2.1262	3.9193	1.3536
12	.067	3.7595	3.7595	3.7367	4.2385	7.8122	2.6988
13	.072	3.8242	3.8242	3.8094	4.3941	8.0990	2.7979
14	.078	4.0841	4.0841	4.0653	4.8255	8.8941	3.0726
15	.083	4.3195	4.3195	4.2986	5.2866	9.7440	3.3662
16	.089	2.4017	2.4017	2.3828	3.0608	5.6414	1.9489
17	.094	1.2644	1.2644	1.2457	1.6822	3.1006	1.0712
18	.100	1.6495	1.6495	1.6307	2.3282	4.2912	1.4825
19	.106	1.4621	1.4621	1.4233	2.1624	3.9858	1.3769
20	.111	.9272	.9272	.9084	1.4753	2.7192	.9394
21	.117	.8485	.8485	.8297	1.4473	2.6676	.9216
22	.122	.6409	.6409	.6220	1.1712	2.1587	.7457
23	.128	.3846	.3846	.3658	.7668	1.3765	.4755
24	.133	.3278	.3278	.3090	.6872	1.2667	.4376
25	.139	.3497	.3497	.3309	.8057	1.4849	.5130
26	.144	.4007	.4007	.3819	1.0222	1.8841	.6509
27	.150	.2968	.2968	.2779	.8205	1.5124	.5225
28	.156	.1580	.1580	.1392	.4959	.8965	.2900
29	.161	.1041	.1041	.0853	.3106	.5726	.1978
30	.167	.1036	.1036	.0848	.3451	.6361	.2197
31	.172	.1328	.1328	.1140	.5203	.9590	.3313
32	.178	.1298	.1298	.1109	.5712	1.0528	.3637
33	.183	.0867	.0867	.0679	.3998	.7370	.2515
34	.189	.0542	.0542	.0354	.2342	.4316	.1491
35	.194	.0402	.0402	.0214	.1615	.2976	.1028
36	.200	.0438	.0438	.0250	.2158	.3977	.1374
37	.206	.0540	.0540	.0351	.3484	.6422	.2219
38	.211	.0696	.0696	.0468	.5358	.9876	.3412
39	.217	.0660	.0660	.0472	.6266	1.1550	.3990
40	.222	.0622	.0598	.0410	.6324	1.1655	.4026
41	.228	.0487	.0463	.0275	.4953	.9129	.3154
42	.233	.0256	.0300	.0111	.2383	.4327	.1498
43	.239	.0200	.0225	.0037	.0913	.1683	.0581
44	.244	.0246	.0240	.0052	.1322	.2806	.0969
45	.250	.0271	.0263	.0074	.2593	.4780	.1651
46	.256	.0263	.0251	.0063	.2607	.4805	.1660
47	.261	.0206	.0222	.0034	.1668	.3074	.1062
48	.267	.0217	.0219	.0031	.1829	.3372	.1165
49	.272	.0246	.0232	.0044	.3114	.5739	.1983
50	.278	.0223	.0227	.0039	.2345	.4323	.1493
51	.283	.0215	.0217	.0029	.3057	.5636	.1946
52	.289	.0216	.0214	.0026	.3311	.6103	.2108
53	.294	.0209	.0214	.0026	.4060	.7482	.2585
54	.300	.0223	.0208	.0020	.3803	.7106	.2672
55	.306	.0179	.0186	.0000	.0000	.0000	.0000
56	.311	.0194	.0179	.0000	.0000	.0000	.0000
57	.317	.0212	.0195	.0007	.2471	.4555	.1574
58	.322	.0202	.0189	.0001	.0647	.0825	.0288
59	.328	.0161	.0152	.0000	.0000	.0000	.0000
60	.333	.0125	.0133	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 24/11/56 AV. T= 7.1 RECORD = JMC009
HOUR = 15 SIG.HGT. = 31.4 UPPER HGT. = 33.8
TOTAL DP =200 CURR. VAR. = 62.4 LOWER HGT. = 29.9
NOISE LEVEL = .0062 WIND SPEED = 35

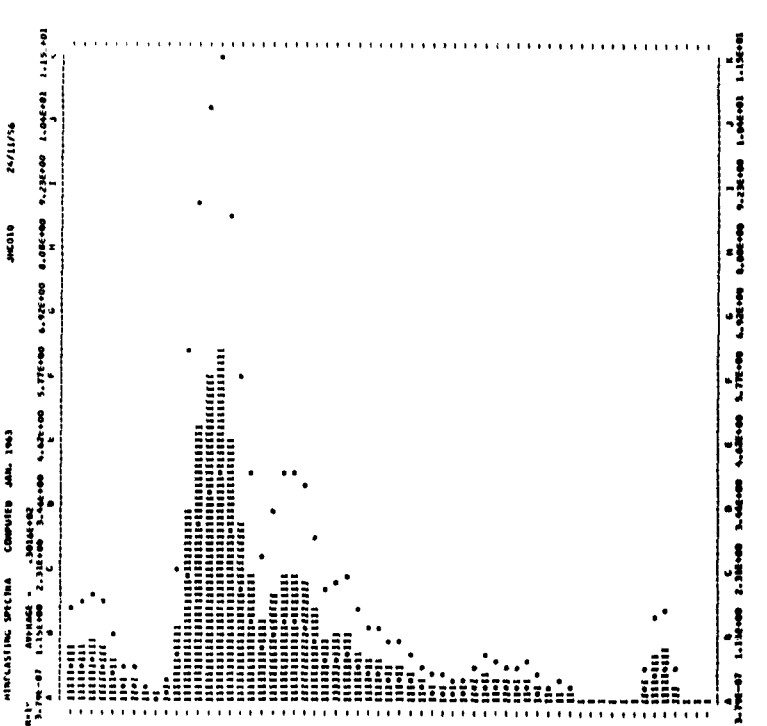
N	FRQ.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.2899	.2899	.1893	.1893	.3488	.1205
1	.006	.3916	.3916	.3713	.3713	.6843	.2364
2	.011	.6037	.6037	.4438	.6435	1.1860	.4097
3	.017	.9424	.9424	.5682	.8422	1.5231	.5579
4	.022	.9958	.9958	.2748	.2748	.5064	.1749
5	.028	.1440	.1440	.1238	.1238	.2281	.0788
6	.033	.0988	.0988	.0786	.1140	.2101	.0726
7	.039	.0466	.0466	.0426	.0609	.1123	.0388
8	.044	.0704	.0704	.0492	.0737	.1358	.0469
9	.050	.1709	.1709	.1587	.1838	.3600	.1035
10	.056	1.1498	1.1498	1.1296	1.2876	2.3732	.8199
11	.061	2.8928	2.8928	2.8383	2.2988	4.2356	1.4632
12	.067	2.8843	2.8843	2.8643	2.3613	4.3193	1.4908
13	.072	2.2698	2.2698	2.2233	2.9672	4.7317	1.6346
14	.078	2.4664	2.4664	2.4462	2.9836	5.3517	1.8488
15	.083	2.9367	2.9367	2.4193	2.9707	5.4795	1.8916
16	.089	2.9493	2.9493	2.2291	3.7578	6.9251	2.3924
17	.094	2.9288	2.9288	2.9087	3.9170	7.2197	2.4941
18	.100	1.8488	1.8488	1.8284	2.5989	4.7902	1.6548
19	.106	1.4827	1.4827	1.3825	2.1004	3.8713	1.3376
20	.111	2.0833	2.0833	2.0431	3.3181	6.1158	2.1728
21	.117	2.2692	2.2692	2.2250	3.8812	7.1536	2.4713
22	.122	1.6784	1.6784	1.6582	3.1220	5.7543	1.9879
23	.128	1.2568	1.2568	1.2358	2.9228	5.6699	1.8066
24	.133	.8888	.8888	.7878	1.7522	3.2296	1.1157
25	.139	.5824	.5824	.4822	1.1740	2.1638	.7479
26	.144	.4767	.4767	.4565	1.2217	2.2518	.7779
27	.150	.3103	.3103	.2901	.8563	1.5781	.5453
28	.156	.1464	.1464	.1262	.4063	.7489	.2587
29	.161	.1437	.1437	.1235	.4495	.8284	.2862
30	.167	.1629	.1629	.1427	.5808	1.0705	.3698
31	.172	.1364	.1364	.1162	.5303	.9774	.3377
32	.178	.1183	.1183	.0981	.4946	.9116	.3149
33	.183	.1327	.1327	.1125	.6544	1.2061	.4167
34	.189	.1150	.1150	.0948	.6267	1.1550	.3990
35	.194	.0729	.0729	.0527	.3469	.7314	.2527
36	.200	.0855	.0855	.0653	.5634	1.0384	.3587
37	.206	.1017	.1017	.0815	.8078	1.4888	.5143
38	.211	.0955	.0955	.0753	.8613	1.5876	.5484
39	.217	.0723	.0723	.0521	.6907	1.2730	.4398
40	.222	.0639	.0639	.0437	.6741	1.2424	.4292
41	.228	.0693	.0627	.0425	.7645	1.4092	.4868
42	.233	.0551	.0522	.0320	.6745	1.2432	.4295
43	.239	.0393	.0374	.0172	.4273	.7875	.2720
44	.244	.0361	.0368	.0166	.4846	.8968	.3098
45	.250	.0458	.0424	.0222	.7728	1.4244	.4921
46	.256	.0421	.0413	.0211	.8726	1.6083	.5556
47	.261	.0352	.0360	.0158	.7805	1.4385	.4970
48	.267	.0315	.0317	.0116	.6794	1.2521	.4326
49	.272	.0285	.0278	.0076	.5404	.9960	.3441
50	.278	.0227	.0245	.0043	.3682	.6787	.2345
51	.283	.0241	.0245	.0043	.4498	.8290	.2864
52	.289	.0272	.0244	.0042	.5324	.9814	.3428
53	.294	.0193	.0201	.0000	.0000	.0000	.0000
54	.300	.0146	.0165	.0000	.0000	.0000	.0000
55	.306	.0174	.0159	.0000	.0000	.0000	.0000
56	.311	.0161	.0152	.0000	.0000	.0000	.0000
57	.317	.0153	.0144	.0000	.0000	.0000	.0000
58	.322	.0208	.0202	.0000	.0000	.0000	.0000
59	.328	.0240	.0239	.0036	.0036	.0067	.0023
60	.333	.0267	.0253	.0051	.0051	.0094	.0032



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 24/11/56 AV. T= 8.2 RECORD = JMC010
HOUR = 18 SIG.HGT. = 31.4 UPPER HGT. = 34.0
TOTAL DP =210 CURR. VAR. = 61.6 LOWER HGT. = 29.0
NOISE LEVEL = .0121 WIND SPEED = 35

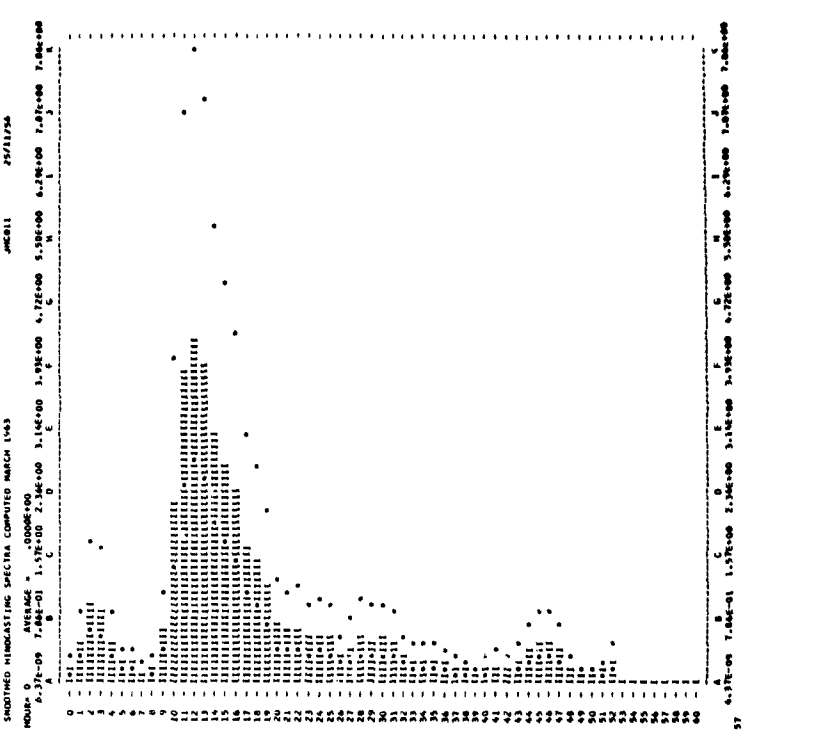
N	FRQ.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.4956	.8956	.8835	.8835	1.6284	.5626
1	.006	.9617	.9617	.9496	.9496	1.7503	.6047
2	.011	1.0185	1.0185	1.0064	1.0064	1.8550	.6408
3	.017	.9429	.9429	.9308	.9308	1.7156	.5927
4	.022	.6548	.6548	.6427	.6427	1.1846	.4092
5	.028	.3440	.3440	.3319	.3319	.6118	.2114
6	.033	.2003	.2003	.1882	.2040	.3603	.1936
7	.039	.1165	.1165	.1024	.1407	.2593	.0896
8	.044	.0709	.0709	.0588	.0732	.1349	.0466
9	.050	.1712	.1712	.1591	.1868	.3444	.1190
10	.056	1.0885	1.0885	1.0764	1.2249	2.2614	.7812
11	.061	3.0204	3.0204	3.0083	3.3967	6.2684	2.1628
12	.067	4.2788	4.2788	4.2667	4.8367	8.9203	3.0816
13	.072	5.4004	5.4004	5.3883	5.7600	10.6185	3.6676
14	.078	5.2872	5.2872	5.2751	6.2615	11.5409	3.9870
15	.083	3.8053	3.8053	3.7932	4.6672	8.6023	2.9718
16	.089	2.4434	2.4434	2.4313	3.1230	5.7562	1.9884
17	.094	1.6369	1.6369	1.6248	2.1962	4.0462	1.3971
18	.100	.9973	.9973	.9852	1.4066	2.5925	.8956
19	.106	1.2036	1.2036	1.1915	1.8102	3.3366	1.1527
20	.111	1.3437	1.3437	1.3316	2.1627	3.9862	1.3771
21	.117	1.2956	1.2956	1.2835	2.1692	3.9981	1.3812
22	.122	1.1182	1.1182	1.1062	2.0827	3.8387	1.3261
23	.128	.7793	.7793	.7672	1.8862	2.8867	.9973
24	.133	.4911	.4911	.4790	1.8694	1.9836	.6784
25	.139	.4699	.4699	.4578	1.1144	2.0544	.7097
26	.144	.4530	.4530	.4409	1.1801	2.1751	.7514
27	.150	.2993	.2993	.2872	.8479	1.5628	.5398
28	.156	.2315	.2315	.2194	.7181	1.3233	.4572
29	.161	.1971	.1971	.1850	.6738	1.2420	.4290
30	.167	.1921	.1821	.1400	.5699	1.0504	.3629
31	.172	.1488	.1488	.1279	.5038	1.0760	.3717
32	.178	.1023	.1023	.0904	.4694	.8579	.2964
33	.183	.0633	.0633	.0512	.2978	.5488	.1896
34	.189	.0483	.0483	.0362	.2396	.4416	.1525
35	.194	.0445	.0445	.0324	.2439	.4496	.1553
36	.200	.0371	.0371	.0250	.2180	.3982	.1375
37	.206	.0313	.0313	.0192	.1906	.3514	.1214
38	.211	.0375	.0375	.0254	.2906	.5356	.1850
39	.217	.0438	.0438	.0318	.4214	.7767	.2683
40	.222	.0378	.0366	.0245	.3773	.6954	.2402
41	.228	.0288	.0288	.0167	.3198	.5895	.2037
42	.233	.0279	.0281	.0160	.3370	.6211	.2146
43	.239	.0297	.0265	.0144	.3588	.6613	.2285
44	.244	.0189	.0201	.0080	.2367	.4326	.1495
45	.250	.0178	.0198	.0036	.1187	.2187	.0756
46	.256	.0174	.0161	.0040	.1661	.3061	.1058
47	.261	.0167	.0149	.0028	.1404	.2587	.0894
48	.267	.0086	.0106	.0000	.0000	.0000	.0000
49	.272	.0079	.0099	.0000	.0000	.0000	.0000
50	.278	.0114	.0101	.0000	.0000	.0000	.0000
51	.283	.0096	.0099	.0000	.0000	.0000	.0000
52	.289	.0087	.0096	.0000	.0000	.0000	.0000
53	.294	.0114	.0113	.0000	.0000	.0000	.0000
54	.300	.0139	.0117	.0017	.1747	.3585	.1067
55	.306	.0154	.0154	.0033	.3906	1.4572	.5036
56	.311	.0159	.0151	.0030	.4771	1.6167	.5585
57	.317	.0123	.0129	.0008	.2855	.5263	.1818
58	.322	.0106	.0111	.0000	.0000	.0000	.0000
59	.328	.0109	.0108	.0000	.0000	.0000	.0000
60	.333	.0110	.0110	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 25/11/56 AV. T= 8.6 RECORD = JMC011
HOUR = 0 SIG.HGT. = 26.0 UPPER HGT. = 28.2
TOTAL DF =199 CORR. VAR. = 42.1 LOWER HGT. = 23.9
NOISE LEVEL = .0095 WIND SPEED = 40

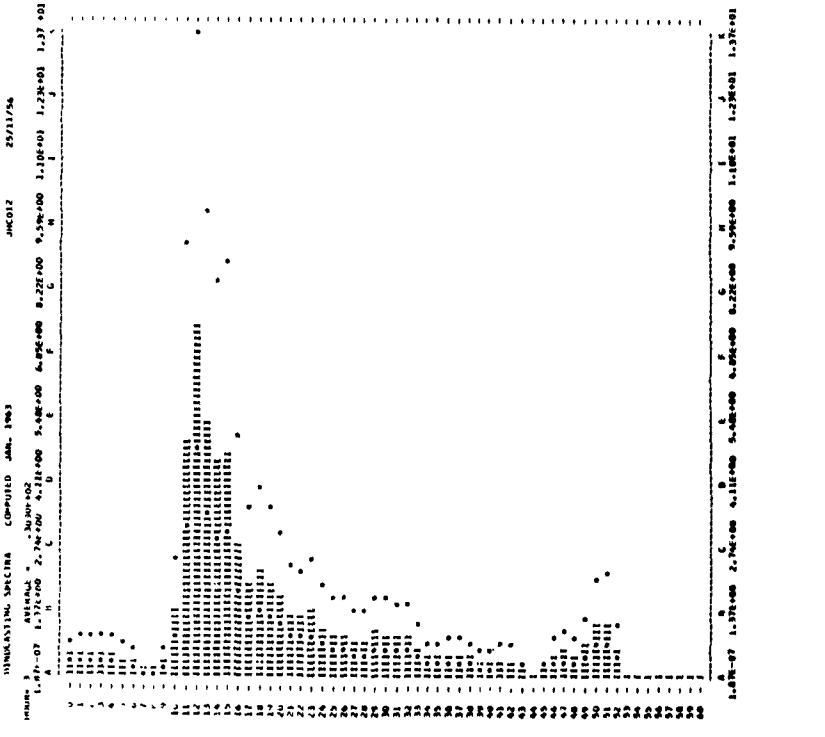
M	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1618	.1618	.1523	.1523	.2807	.0970
1	.006	.4672	.4672	.4577	.4577	.8436	.2916
2	.011	.9482	.9482	.9387	.9387	1.7301	.5977
3	.017	.8895	.8895	.8800	.8800	1.6219	.5603
4	.022	.4696	.4696	.4601	.4601	.8480	.2930
5	.028	.2359	.2359	.2264	.2264	.4173	.1441
6	.033	.1333	.1333	.1238	.2000	.3686	.1273
7	.039	.0916	.0916	.0821	.1128	.2079	.0718
8	.044	.1903	.1903	.1408	.1753	.3231	.1116
9	.050	.5196	.5196	.5099	.5942	1.0952	.3784
10	.056	1.9316	1.9316	1.9221	2.1910	4.0383	1.3951
11	.061	3.3935	3.3935	3.3840	3.8231	7.0466	2.4343
12	.067	3.7685	3.7685	3.7590	4.2638	7.8588	2.7149
13	.072	3.4238	3.4238	3.4143	3.9425	7.2666	2.5103
14	.078	2.6078	2.6078	2.5983	3.0842	5.6846	1.9638
15	.083	2.1883	2.1883	2.1788	2.6808	4.9411	1.7070
16	.089	1.8308	1.8308	1.8213	2.3396	4.3119	1.4896
17	.094	1.2479	1.2479	1.2384	1.6723	3.0823	1.0648
18	.100	1.0340	1.0340	1.0245	1.4627	2.6959	.9313
19	.106	.7657	.7657	.7562	1.1489	2.1175	.7315
20	.111	.6232	.6232	.6137	.9719	1.2383	.4278
21	.117	.3629	.3629	.3534	.6164	1.1362	.3925
22	.122	.3568	.3568	.3473	.6539	1.2052	.4163
23	.128	.2693	.2693	.2598	.5303	.9775	.3377
24	.133	.2414	.2414	.2319	.5605	1.0326	.3567
25	.139	.2224	.2224	.2129	.5183	.9554	.3301
26	.144	.1279	.1279	.1184	.3169	.5840	.2018
27	.150	.1674	.1674	.1379	.4071	.7503	.2592
28	.156	.1781	.1781	.1686	.5917	1.0168	.3513
29	.161	.1475	.1475	.1380	.5024	.9261	.3199
30	.167	.1381	.1381	.1286	.5235	.9649	.3333
31	.172	.1134	.1134	.1039	.4763	.8741	.3020
32	.178	.0695	.0695	.0600	.3088	.5693	.1967
33	.183	.0522	.0522	.0427	.2484	.4578	.1581
34	.189	.0508	.0508	.0413	.2730	.5032	.1738
35	.194	.0443	.0443	.0348	.2622	.4833	.1670
36	.200	.0331	.0331	.0236	.2036	.3753	.1296
37	.206	.0263	.0263	.0168	.1664	.3068	.1060
38	.211	.0216	.0216	.0121	.1383	.2549	.0881
39	.217	.0169	.0169	.0074	.0980	.1806	.0624
40	.222	.0213	.0206	.0109	.1686	.3108	.1074
41	.228	.0223	.0206	.0109	.1955	.3604	.1245
42	.233	.0156	.0185	.0090	.1907	.3514	.1214
43	.239	.0207	.0202	.0107	.2659	.4902	.1693
44	.244	.0239	.0224	.0131	.3833	.7064	.2440
45	.250	.0218	.0226	.0131	.4571	.8425	.2911
46	.256	.0231	.0212	.0117	.4863	.8963	.3096
47	.261	.0170	.0172	.0077	.3796	.6993	.2416
48	.267	.0116	.0126	.0031	.1862	.3433	.1186
49	.272	.0104	.0107	.0012	.0846	.1559	.0539
50	.278	.0104	.0105	.0010	.0872	.1608	.0556
51	.283	.0109	.0108	.0013	.1401	.2582	.0892
52	.289	.0112	.0114	.0019	.2474	.4563	.1576
53	.294	.0125	.0122	.0027	.0027	.0049	.0017
54	.300	.0126	.0126	.0031	.0031	.0058	.0020
55	.306	.0129	.0127	.0032	.0032	.0059	.0020
56	.311	.0125	.0117	.0022	.0022	.0040	.0014
57	.317	.0088	.0088	.0000	.0000	.0000	.0000
58	.322	.0053	.0059	.0000	.0000	.0000	.0000
59	.328	.0043	.0045	.0000	.0000	.0000	.0000
60	.333	.0043	.0043	.0000	.0000	.0000	.0000



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 25/11/56 AV. T= 7.7 RECORD = JMC012
HOUR = 3 SIG.HGT. = 31.6 UPPER HGT. = 34.3
TOTAL DF =201 CORR. VAR. = 62.4 LOWER HGT. = 29.1
NOISE LEVEL = .0235 WIND SPEED = 40

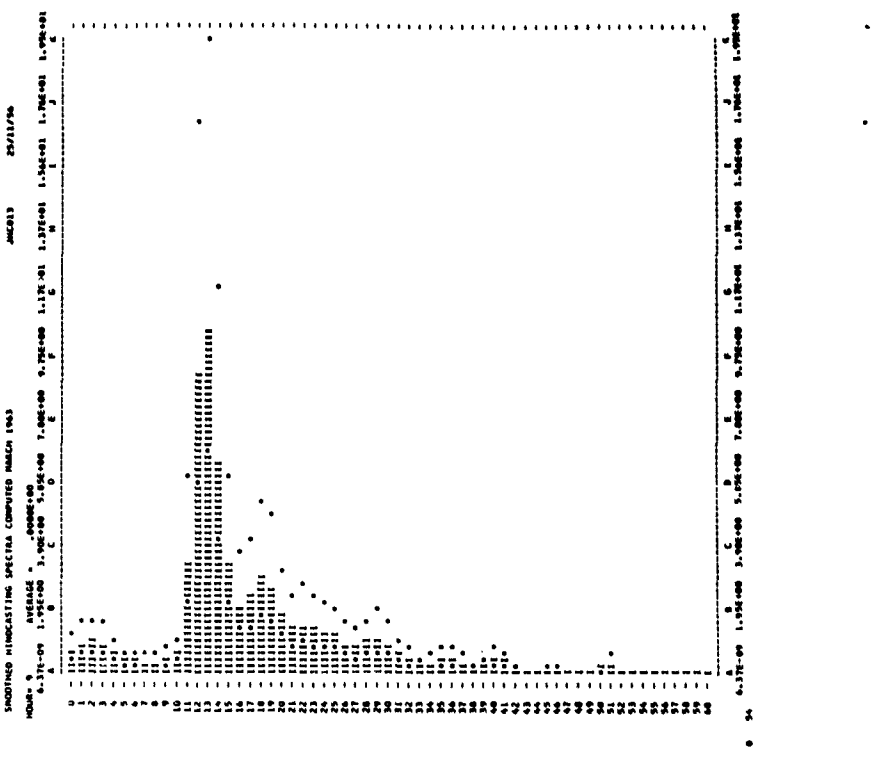
M	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.3958	.3958	.3723	.3723	.6863	.2371
1	.006	.4568	.4568	.4333	.4333	.7986	.2759
2	.011	.4720	.4720	.4485	.4485	.8266	.2856
3	.017	.4350	.4350	.4116	.4116	.7586	.2621
4	.022	.4433	.4433	.4198	.4198	.7737	.2673
5	.028	.3591	.3591	.3356	.3356	.6186	.2137
6	.033	.1929	.1929	.1694	.2737	.5045	.1743
7	.039	.0896	.0896	.0661	.0908	.1674	.0578
8	.044	.0896	.0896	.0699	.0821	.1513	.0523
9	.050	.2791	.2791	.2556	.3002	.5533	.1912
10	.056	1.2031	1.2031	1.1796	1.3446	2.4783	.8562
11	.061	4.1090	4.1090	4.0855	4.9517	9.1286	3.1529
12	.067	6.5753	6.5753	6.5518	7.4318	13.6979	4.7321
13	.072	6.6632	6.6632	6.6397	5.3344	9.8320	3.3966
14	.078	3.8163	3.8163	3.7928	4.5021	8.2990	2.8667
15	.083	3.8613	3.8613	3.8378	4.7221	8.7035	3.0067
16	.089	2.1317	2.1317	2.1082	2.7337	5.0387	1.7407
17	.094	1.4446	1.4446	1.4231	1.9217	3.5421	1.2237
18	.100	1.5589	1.5589	1.5354	2.1921	4.0404	1.3958
19	.106	1.2997	1.2997	1.2762	1.9340	3.5738	1.2346
20	.111	1.0200	1.0200	.9965	1.6185	2.9831	1.0306
21	.117	.7503	.7503	.7268	1.2679	2.3369	.8073
22	.122	.6690	.6690	.6455	1.2194	2.2482	.7768
23	.128	.6625	.6625	.6390	1.3096	2.4045	.8307
24	.133	.4806	.4806	.4571	1.0169	1.8742	.6475
25	.139	.3807	.3807	.3572	.8698	1.6033	.5539
26	.144	.3596	.3596	.3321	.8089	1.4384	.5860
27	.150	.2627	.2627	.2392	.7062	1.3018	.4498
28	.156	.2474	.2474	.2239	.7329	1.3508	.4668
29	.161	.2768	.2768	.2513	.9192	1.6868	.5827
30	.167	.2386	.2386	.2151	.8757	1.6141	.5576
31	.172	.2011	.2011	.1777	.8111	1.4950	.5165
32	.177	.1855	.1855	.1546	.8082	1.4899	.5153
33	.183	.1279	.1279	.1040	.6053	1.1157	.3856
34	.189	.0825	.0825	.0590	.3903	.7193	.2485
35	.194	.0710	.0710	.0478	.3586	.6610	.2284
36	.200	.0709	.0709	.0475	.4097	.7551	.2609
37	.206	.0691	.0691	.0457	.4133	.7618	.2632
38	.211	.0577	.0577	.0342	.3918	.7221	.2495
39	.217	.0473	.0473	.0239	.3166	.5835	.2016
40	.222	.0399	.0426	.0191	.2945	.5428	.1875
41	.228	.0430	.0421	.0186	.3350	.6174	.2133
42	.233	.0423	.0395	.0161	.3393	.6253	.2160
43	.239	.0306	.0306	.0071	.1771	.3264	.1127
44	.244	.0190	.0234	.0000	.0000	.0000	.0000
45	.250	.0269	.0269	.0036	.1185	.2185	.0755
46	.256	.0382	.0341	.0107	.4424	.8154	.2817
47	.261	.0350	.0338	.0103	.5098	.9396	.3246
48	.267	.0268	.0364	.0069	.4119	.7592	.2623
49	.272	.0330	.0329	.0094	.8754	1.2448	.4300
50	.278	.0389	.0367	.0132	1.1432	2.1070	.7279
51	.283	.0359	.0345	.0111	1.1622	2.1428	.7403
52	.289	.0273	.0282	.0047	.4047	1.1146	.3850
53	.294	.0221	.0233	.0000	.0000	.0000	.0000
54	.300	.0217	.0217	.0000	.0000	.0000	.0000
55	.306	.0211	.0218	.0000	.0000	.0000	.0000
56	.311	.0231	.0218	.0000	.0000	.0000	.0000
57	.317	.0196	.0209	.0000	.0000	.0000	.0000
58	.322	.0194	.0202	.0000	.0000	.0000	.0000
59	.328	.0222	.0212	.0000	.0000	.0000	.0000
60	.333	.0209	.0215	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 25/11/56 AV. T= 9.7 RECORD = JMC013
HOUR = 0 SIG.HGT. = 32.3 UPPER HGT. = 35.6
TOTAL DF =150 CORR. VAR. = 68.0 LOWER HGT. = 29.3
NOISE LEVEL = .0310 WIND SPEED = 40

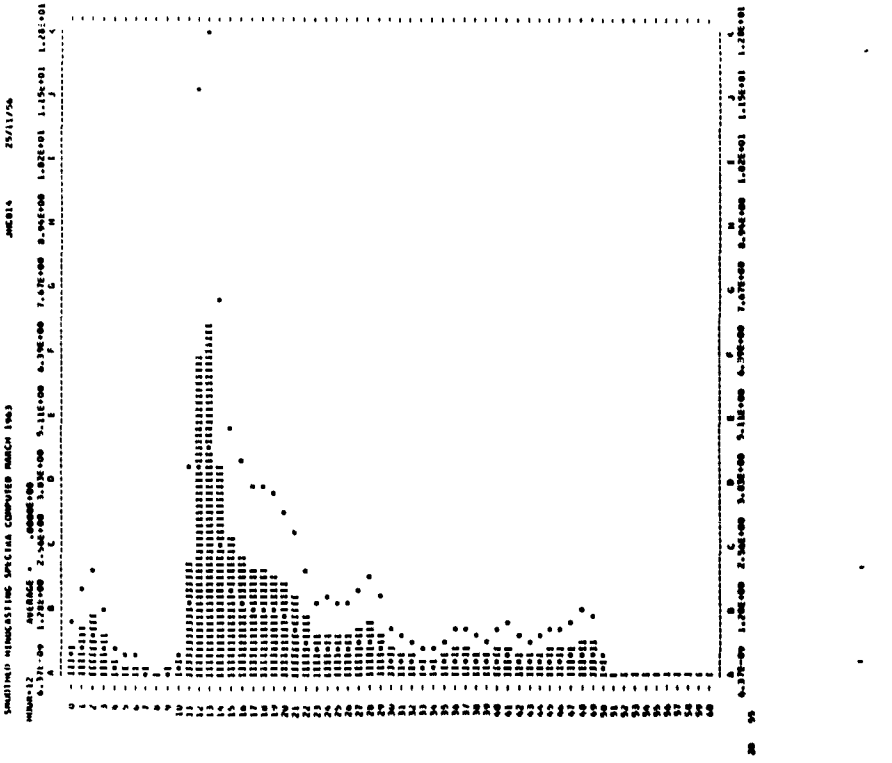
M	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.6895	.6893	.6883	.6883	1.2134	.4102
1	.006	.8348	.8343	.8033	.8033	1.4086	.5115
2	.011	.9266	.9266	.8956	.8956	1.6588	.5703
3	.017	.8378	.8378	.8068	.8068	1.6868	.5139
4	.022	.6189	.6189	.5799	.5799	1.0682	.3698
5	.028	.3688	.3688	.3298	.3298	.6879	.2188
6	.033	.2686	.2686	.2184	.3432	.6326	.2185
7	.039	.2267	.2267	.1987	.2638	.4987	.1712
8	.044	.2468	.2468	.2135	.2684	.4964	.1799
9	.050	.4118	.4118	.3888	.4473	.8265	.2848
10	.056	.9314	.9314	.8884	.9704	1.8814	.3632
11	.061	2.0949	2.0949	2.0659	3.2357	6.0681	2.0590
12	.067	8.1578	8.1578	8.1268	9.2183	16.9986	5.0896
13	.072	9.1961	9.1961	9.1631	10.9807	19.9017	6.7371
14	.078	9.4618	9.4618	9.4308	6.4464	11.8817	4.1047
15	.083	2.6667	2.6667	2.6357	3.2138	5.9777	2.0649
16	.089	1.5926	1.5926	1.5616	2.0059	3.6972	1.2772
17	.094	1.6939	1.6938	1.6628	2.2451	4.1380	1.4295
18	.100	2.0399	2.0399	2.0089	2.8824	5.2759	1.8226
19	.106	1.7391	1.7391	1.7081	2.3982	4.7033	1.6524
20	.111	1.0841	1.0841	1.0531	1.7104	3.1525	1.0891
21	.117	.7824	.7824	.7514	1.3108	2.4160	.8346
22	.122	.8826	.8826	.7716	1.4524	2.6776	.9251
23	.128	.8768	.8768	.8458	1.3185	2.4301	.8398
24	.133	.9399	.9399	.9089	1.1187	2.0618	.7123
25	.139	.6728	.6728	.6418	1.0739	1.9793	.6838
26	.144	.3982	.3982	.3272	.8798	1.6143	.5577
27	.150	.2734	.2734	.2424	.7137	1.3152	.4587
28	.156	.3629	.3629	.2719	.8899	1.6402	.5666
29	.161	.3164	.3164	.2854	1.0393	1.9157	.6618
30	.167	.2388	.2388	.1998	.8136	1.4995	.5180
31	.172	.1919	.1919	.1289	.5962	1.0162	.3906
32	.178	.1090	.1090	.0740	.3812	.7025	.2427
33	.183	.0681	.0681	.0371	.2160	.3982	.1376
34	.189	.0733	.0733	.0423	.2799	.5159	.1782
35	.194	.0874	.0874	.0564	.4253	.7840	.2708
36	.200	.0840	.0840	.0530	.4578	.8438	.2915
37	.206	.0598	.0598	.0288	.2859	.5269	.1820
38	.211	.0368	.0368	.0058	.0667	.1229	.0425
39	.217	.0461	.0461	.0151	.2007	.3699	.1278
40	.222	.0630	.0569	.0259	.3999	.7370	.2546
41	.228	.0595	.0513	.0203	.3656	.6738	.2328
42	.233	.0311	.0337	.0027	.0580	.1070	.0370
43	.239	.0172	.0238	.0000	.0000	.0000	.0000
44	.244	.0297	.0282	.0000	.0000	.0000	.0000
45	.250	.0361	.0337	.0028	.0966	.1780	.0615
46	.256	.0331	.0330	.0021	.0860	.1585	.0548
47	.261	.0244	.0283	.0000	.0000	.0000	.0000
48	.267	.0205	.0232	.0000	.0000	.0000	.0000
49	.272	.0221	.0250	.0000	.0000	.0000	.0000
50	.278	.0353	.0323	.0013	.1189	.2155	.0744
51	.283	.0366	.0357	.0028	.2918	.5378	.1858
52	.289	.0295	.0299	.0000	.0000	.0000	.0000
53	.294	.0302	.0298	.0000	.0000	.0000	.0000
54	.300	.0322	.0285	.0000	.0000	.0000	.0000
55	.306	.0196	.0221	.0000	.0000	.0000	.0000
56	.311	.0173	.0227	.0000	.0000	.0000	.0000
57	.317	.0369	.0350	.0040	.0040	.0074	.0025
58	.322	.0488	.0426	.0114	.0114	.0211	.0073
59	.328	.0351	.0358	.0049	.0049	.0090	.0031
60	.333	.0244	.0297	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 25/11/56 AV. T= 9.0 RECORD = JMC014
HOUR = 12 SIG.HGT. = 29.4 UPPER HGT. = 32.0
TOTAL DF =192 CORR. VAR. = 54.1 LOWER HGT. = 27.1
NOISE LEVEL = .0114 WIND SPEED = 0

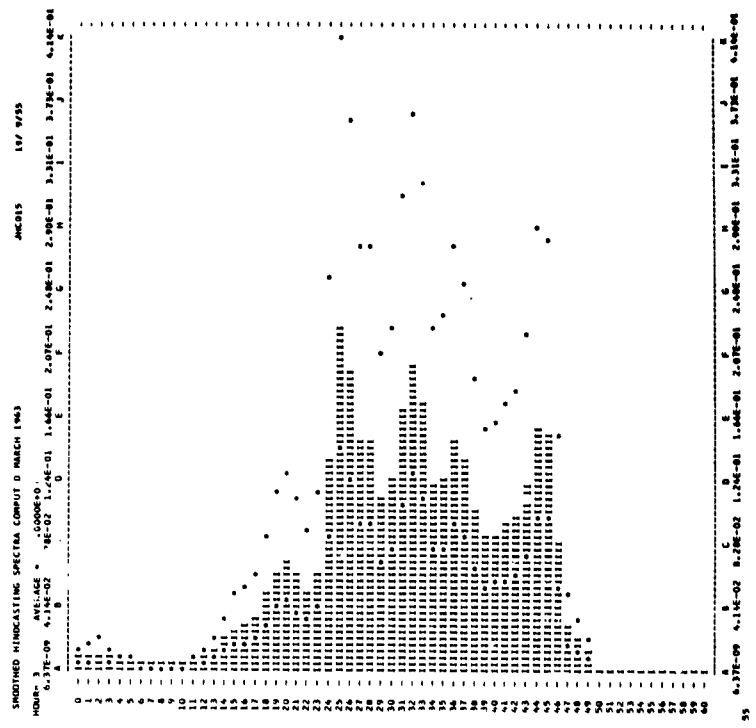
M	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.5696	.5696	.5582	.5582	1.0288	.3554
1	.006	.8792	.8792	.8678	.8678	1.5995	.5526
2	.011	1.1252	1.1252	1.1138	1.1138	2.0529	.7092
3	.017	.7318	.7318	.7204	.7204	1.3278	.4587
4	.022	.3033	.3033	.2919	.2919	.5380	.1859
5	.028	.1958	.1958	.1844	.1844	.3399	.1174
6	.033	.1268	.1268	.1154	.1804	.3438	.1187
7	.039	.0673	.0673	.0559	.0768	.1416	.0489
8	.044	.0345	.0345	.0231	.0288	.0530	.0183
9	.050	.0840	.0840	.0726	.0893	.1572	.0543
10	.056	.2022	.2022	.1908	.2175	.4009	.1385
11	.061	1.9541	1.9541	1.9427	2.1935	4.0429	1.3967
12	.067	5.5835	5.5835	5.5721	6.3204	11.6495	4.0245
13	.072	6.0141	6.0141	6.0027	6.9313	12.7756	4.4136
14	.078	3.4166	3.4166	3.4052	4.0420	7.4499	2.5737
15	.083	2.1548	2.1548	2.1434	2.6372	4.8608	1.6792
16	.089	1.7764	1.7764	1.7650	2.2671	4.1787	1.4436
17	.094	1.9150	1.9150	1.9036	2.0305	3.7426	1.2929
18	.100	1.4359	1.4359	1.4245	2.0329	3.7469	1.2944
19	.106	1.3090	1.3090	1.2976	1.9714	3.6336	1.2553
20	.111	1.0841	1.0841	1.0727	1.7422	3.2111	1.1093
21	.117	.8690	.8690	.8576	1.4980	2.7573	.9526
22	.122	.5975	.5975	.5861	1.1035	2.0339	.7026
23	.128	.3982	.3982	.3868	.7896	1.4554	.5028
24	.133	.3783	.3783	.3669	.6161	1.5042	.5196
25	.139	.3295	.3295	.3141	.7648	1.4098	.4870
26	.144	.2917	.2917	.2803	.7502	1.3827	.4777
27	.150	.3202	.3202	.3088	.9117	1.6803	.5805
28	.156	.3376	.3376	.3262	1.0675	1.9675	.6797
29	.161	.2319	.2319	.2205	.8029	1.4799	.5112
30	.167	.1228	.1228	.1114	.4525	.8359	.2888
31	.172	.0983	.0983	.0869	.3967	.7312	.2526
32	.178	.0812	.0812	.0698	.3594	.6624	.2288
33	.183	.0606	.0606	.0492	.2863	.5276	.1823
34	.189	.0568	.0568	.0454	.2870	.5290	.1827
35	.194	.0615	.0615	.0501	.3176	.5852	.2095
36	.200	.0667	.0667	.0553	.4774	.8799	.3040
37	.206	.0617	.0617	.0503	.4488	.8193	.3176
38	.211	.0462	.0462	.0348	.3983	.7361	.2536
39	.217	.0395	.0395	.0241	.3197	.5893	.2036
40	.222	.0459	.0431	.0317	.4897	.9025	.3118
41	.228	.0453	.0409	.0295	.9312	.9791	.3382
42	.233	.0271	.0308	.0194	.4089	.7536	.2603
43	.239	.0236	.0255	.0141	.3695	.6441	.2225
44	.244	.0276	.0261	.0167	.4306	.7937	.2742
45	.250	.0295	.0250	.0136	.4732	.8722	.3013
46	.256	.0214	.0226	.0112	.4640	.8553	.2955
47	.261	.0221	.0224	.0110	.5472	1.0086	.3484
48	.267	.0262	.0229	.0115	.6862	1.2651	.4371
49	.272	.0213	.0202	.0088	.6243	1.1509	.4087
50	.278	.0140	.0137	.0023	.2009	.3703	.1279
51	.283	.0096	.0076	.0000	.0000	.0000	.0000
52	.289	.0053	.0045	.0000	.0000	.0000	.0000
53	.294	.0100	.0096	.0000	.0000	.0000	.0000
54	.300	.0131	.0124	.0010	.0010	.0019	.0006
55	.306	.0135	.0128	.0014	.0014	.0026	.0009
56	.311	.0111	.0125	.0011	.0011	.0020	.0007
57	.317	.0162	.0153	.0029	.0029	.0053	.0018
58	.322	.0177	.0159	.0041	.0041	.0075	.0026
59	.328	.0125	.0126	.0012	.0012	.0022	.0008
60	.333	.0081	.0102	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 19/ 9/55 AV. T= 9.4 RECORD = JMC015
HOUR = 3 SIG.HGT. = 7.7 UPPER HGT. = 8.3
TOTAL DF =287 CORR. VAR. = 3.8 LOWER HGT. = 7.2
NOISE LEVEL = .0011 WIND SPEED = 20

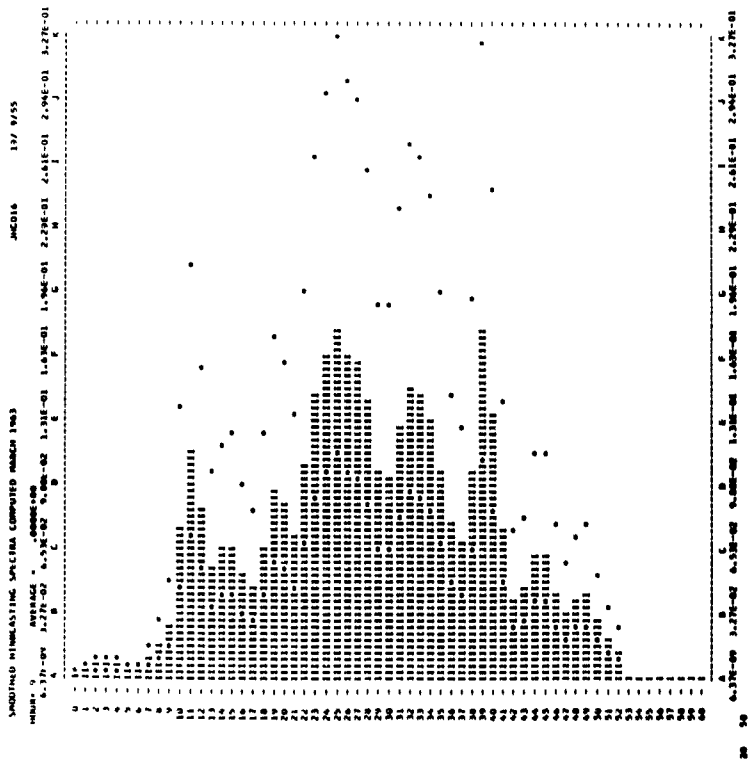
N	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0087	.0087	.0076	.0076	.0141	.0049
1	.006	.0105	.0109	.0094	.0094	.0174	.0060
2	.011	.0133	.0133	.0102	.0102	.0189	.0065
3	.017	.0083	.0083	.0072	.0072	.0133	.0046
4	.022	.0061	.0061	.0050	.0050	.0093	.0032
5	.028	.0046	.0046	.0035	.0035	.0065	.0023
6	.033	.0029	.0029	.0018	.0038	.0055	.0019
7	.039	.0027	.0027	.0016	.0023	.0042	.0014
8	.044	.0032	.0032	.0021	.0027	.0049	.0017
9	.050	.0031	.0031	.0020	.0024	.0044	.0015
10	.056	.0031	.0031	.0020	.0023	.0043	.0015
11	.061	.0048	.0048	.0037	.0042	.0078	.0027
12	.067	.0075	.0075	.0064	.0073	.0135	.0047
13	.072	.0106	.0106	.0095	.0110	.0203	.0070
14	.078	.0168	.0168	.0157	.0187	.0344	.0119
15	.083	.0228	.0228	.0217	.0267	.0493	.0170
16	.089	.0237	.0237	.0226	.0291	.0536	.0185
17	.094	.0241	.0241	.0230	.0338	.0623	.0215
18	.100	.0345	.0345	.0334	.0477	.0880	.0304
19	.106	.0419	.0419	.0408	.0620	.1144	.0395
20	.111	.0434	.0434	.0423	.0688	.1267	.0438
21	.117	.0361	.0361	.0350	.0611	.1127	.0389
22	.122	.0276	.0276	.0265	.0500	.0921	.0318
23	.128	.0323	.0323	.0312	.0638	.1175	.0406
24	.133	.0634	.0634	.0623	.1387	.2556	.0883
25	.139	.0933	.0933	.0922	.2246	.4140	.1430
26	.144	.0737	.0737	.0726	.1964	.3581	.1238
27	.150	.0522	.0522	.0511	.1510	.2783	.0961
28	.156	.0468	.0468	.0457	.1497	.2759	.0953
29	.161	.0319	.0319	.0308	.1123	.2070	.0715
30	.167	.0311	.0311	.0300	.1223	.2254	.0779
31	.172	.0382	.0382	.0371	.1696	.3125	.1080
32	.178	.0396	.0396	.0385	.1984	.9658	.1744
33	.183	.0309	.0309	.0298	.1736	.3200	.1106
34	.189	.0194	.0194	.0183	.1213	.2236	.0772
35	.194	.0178	.0178	.0167	.1262	.2326	.0804
36	.200	.0185	.0185	.0174	.1506	.2775	.0959
37	.206	.0149	.0149	.0138	.1372	.2530	.0876
38	.211	.0100	.0100	.0089	.1023	.1886	.0652
39	.217	.0075	.0075	.0064	.0855	.1575	.0544
40	.222	.0067	.0068	.0057	.0885	.1632	.0564
41	.228	.0063	.0062	.0052	.0935	.1723	.0595
42	.233	.0057	.0057	.0047	.0990	.1825	.0630
43	.239	.0053	.0058	.0048	.1190	.2193	.0758
44	.244	.0071	.0064	.0054	.1575	.2902	.1003
45	.250	.0062	.0055	.0044	.1537	.2832	.0979
46	.256	.0024	.0031	.0020	.0835	.1539	.0532
47	.261	.0013	.0014	.0004	.0280	.0516	.0178
48	.267	.0015	.0014	.0003	.0187	.0345	.0119
49	.272	.0012	.0012	.0002	.0118	.0218	.0075
50	.278	.0010	.0010	.0000	.0000	.0000	.0000
51	.283	.0010	.0010	.0000	.0000	.0000	.0000
52	.289	.0009	.0009	.0000	.0000	.0000	.0000
53	.294	.0007	.0008	.0000	.0000	.0000	.0000
54	.300	.0009	.0010	.0000	.0000	.0000	.0000
55	.306	.0015	.0014	.0004	.0006	.0007	.0002
56	.311	.0018	.0016	.0005	.0005	.0010	.0003
57	.317	.0013	.0013	.0003	.0003	.0005	.0002
58	.322	.0009	.0010	.0000	.0000	.0000	.0000
59	.328	.0008	.0008	.0000	.0000	.0000	.0000
60	.333	.0008	.0008	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 19/ 9/55 AV. T= 9.3 RECORD = JMC016
HOUR = 9 SIG.HGT. = 7.9 UPPER HGT. = 8.4
TOTAL DF =356 CORR. VAR. = 3.9 LOWER HGT. = 7.5
NOISE LEVEL = .0011 WIND SPEED = 25

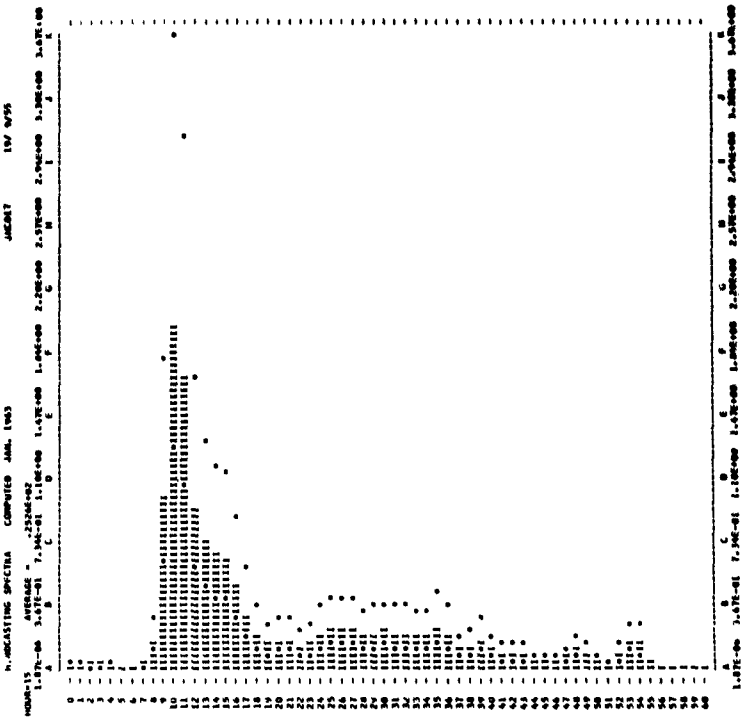
N	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0024	.0024	.0013	.0013	.0023	.0008
1	.006	.0041	.0041	.0030	.0030	.0055	.0019
2	.011	.0061	.0061	.0050	.0050	.0091	.0032
3	.017	.0067	.0067	.0056	.0056	.0102	.0035
4	.022	.0068	.0068	.0057	.0057	.0104	.0036
5	.028	.0053	.0053	.0042	.0042	.0077	.0026
6	.033	.0036	.0036	.0025	.0040	.0073	.0025
7	.039	.0072	.0072	.0061	.0083	.0153	.0053
8	.044	.0140	.0140	.0129	.0160	.0295	.0102
9	.050	.0235	.0235	.0224	.0253	.0466	.0161
10	.056	.0657	.0657	.0646	.0736	.1356	.0469
11	.061	.1017	.1017	.1006	.1135	.2093	.0723
12	.067	.0798	.0798	.0787	.0847	.1561	.0539
13	.072	.0504	.0504	.0493	.0569	.1048	.0362
14	.078	.0592	.0592	.0581	.0642	.1183	.0409
15	.083	.0992	.0992	.0541	.0665	.1226	.0424
16	.089	.0419	.0419	.0408	.0524	.0965	.0333
17	.094	.0347	.0347	.0336	.0493	.0835	.0289
18	.100	.0477	.0477	.0466	.0665	.1225	.0423
19	.106	.0624	.0624	.0613	.0931	.1715	.0593
20	.111	.0550	.0550	.0539	.0875	.1612	.0557
21	.117	.0630	.0630	.0619	.0730	.1346	.0465
22	.122	.0576	.0576	.0565	.1063	.1959	.0677
23	.128	.0713	.0713	.0702	.1432	.2640	.0912
24	.133	.0739	.0739	.0728	.1618	.2983	.1030
25	.139	.0739	.0739	.0728	.1772	.3265	.1128
26	.144	.0625	.0625	.0614	.1642	.3027	.1046
27	.150	.0549	.0549	.0538	.1587	.2925	.1011
28	.156	.0439	.0439	.0428	.1399	.2579	.0891
29	.161	.0294	.0294	.0283	.1039	.1897	.0655
30	.167	.0263	.0263	.0252	.1026	.1888	.0652
31	.172	.0293	.0293	.0282	.1286	.2369	.0819
32	.178	.0298	.0298	.0287	.1476	.2720	.0940
33	.183	.0257	.0257	.0246	.1420	.2616	.0918
34	.189	.0211	.0211	.0200	.1320	.2433	.0840
35	.194	.0152	.0152	.0141	.1063	.1959	.0678
36	.200	.0101	.0101	.0090	.0775	.1429	.0498
37	.206	.0081	.0081	.0070	.0690	.1272	.0439
38	.211	.0103	.0103	.0092	.1068	.1932	.0667
39	.217	.0144	.0144	.0133	.1709	.3243	.1120
40	.222	.0105	.0099	.0087	.1347	.2483	.0858
41	.228	.0061	.0053	.0042	.0796	.1397	.0482
42	.233	.0027	.0031	.0019	.0468	.0752	.0260
43	.239	.0020	.0029	.0011	.0440	.0786	.0246
44	.244	.0035	.0032	.0021	.0611	.1127	.0389
45	.250	.0031	.0029	.0018	.0620	.1144	.0395
46	.256	.0020	.0022	.0010	.0428	.0789	.0272
47	.261	.0016	.0018	.0006	.0313	.0578	.0200
48	.267	.0019	.0018	.0006	.0398	.0735	.0249
49	.272	.0018	.0017	.0006	.0417	.0768	.0265
50	.278	.0014	.0015	.0003	.0288	.0531	.0183
51	.283	.0013	.0013	.0002	.0192	.0354	.0122
52	.289	.0013	.0012	.0001	.0159	.0293	.0088
53	.294	.0011	.0011	.0000	.0000	.0000	.0000
54	.300	.0009	.0010	.0000	.0000	.0000	.0000
55	.306	.0013	.0012	.0001	.0001	.0002	.0001
56	.311	.0015	.0013	.0002	.0002	.0004	.0001
57	.317	.0011	.0011	.0000	.0000	.0000	.0000
58	.322	.0009	.0010	.0000	.0000	.0000	.0000
59	.328	.0010	.0010	.0000	.0000	.0000	.0000
60	.333	.0010	.0010	.0000	.0000	.0000	.0000



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 19/ 9/55 AV. T= 7.9 RECORD = JMC017
HOUR = 15 SIG.HGT. = 16.8 UPPER HGT. = 16.2
TOTAL OF =169 CORR. VAR. = 15.7 LOWER HGT. = 15.5
NOISE LEVEL = .0020 WIND SPEED = 20

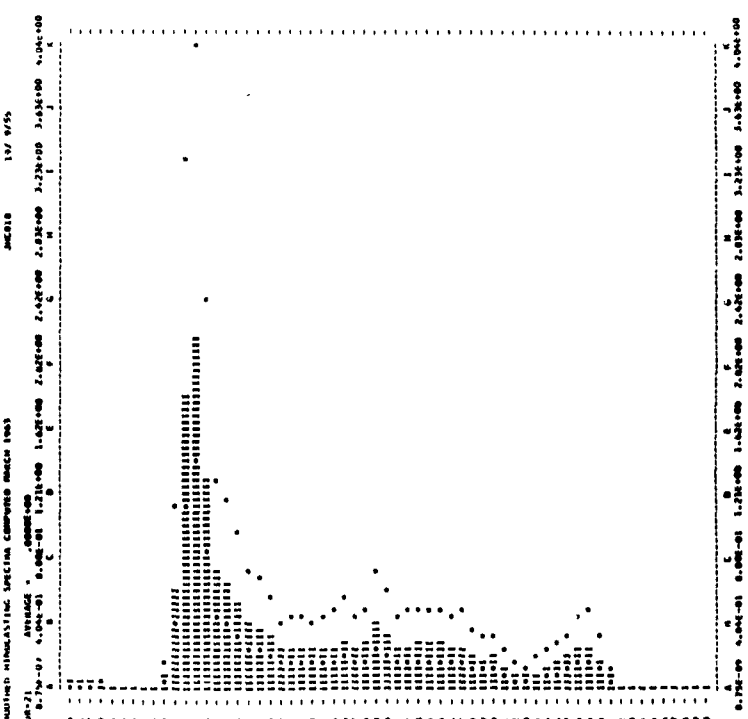
H	FRQ.	UNIT-FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0168	.0168	.0149	.0149	.0274	.0098
1	.006	.0193	.0193	.0173	.0173	.0319	.0116
2	.011	.0206	.0206	.0186	.0186	.0342	.0118
3	.017	.0206	.0206	.0187	.0187	.0344	.0119
4	.022	.0142	.0142	.0123	.0123	.0226	.0078
5	.028	.0113	.0113	.0093	.0093	.0171	.0059
6	.033	.0079	.0075	.0056	.0090	.0164	.0057
7	.039	.0219	.0219	.0199	.0274	.0505	.0178
8	.044	.1300	.1300	.1280	.1594	.2938	.1018
9	.050	.8410	.8410	.8291	.9894	1.8168	.6879
10	.056	1.7697	1.7697	1.7477	1.9922	3.6726	1.2569
11	.061	1.4032	1.4032	1.4813	1.6725	3.0826	1.0649
12	.067	.0868	.0868	.0868	.0129	1.6025	.5813
13	.072	.0268	.0268	.0268	.7212	1.3292	.4902
14	.078	.8483	.8483	.8483	.6449	1.1887	.4186
15	.083	.9982	.9982	.9982	.6081	1.1208	.3872
16	.089	.3796	.3796	.3736	.4799	.8845	.3056
17	.094	.2313	.2313	.2293	.3097	.5708	.1972
18	.100	.1684	.1684	.1584	.1976	.3641	.1258
19	.106	.0959	.0959	.0928	.1387	.2575	.0899
20	.111	.1015	.1015	.0995	.1616	.2979	.1029
21	.117	.0956	.0956	.0936	.1633	.3010	.1040
22	.122	.0668	.0668	.0668	.1220	.2249	.0777
23	.128	.0677	.0677	.0657	.1342	.2473	.0854
24	.133	.0900	.0900	.0885	.1958	.3609	.1247
25	.139	.0902	.0902	.0882	.2149	.3961	.1368
26	.144	.0861	.0861	.0841	.2292	.4191	.1436
27	.150	.0766	.0766	.0748	.2210	.4073	.1407
28	.156	.0594	.0594	.0574	.1880	.3469	.1197
29	.161	.0559	.0559	.0540	.1965	.3621	.1251
30	.167	.0526	.0526	.0506	.2051	.3781	.1306
31	.172	.0461	.0461	.0441	.2013	.3710	.1282
32	.178	.0410	.0410	.0390	.2009	.3703	.1279
33	.183	.0331	.0331	.0311	.1809	.3333	.1152
34	.189	.0303	.0303	.0283	.1875	.3451	.1192
35	.194	.0327	.0327	.0307	.2315	.4266	.1474
36	.200	.0290	.0290	.0231	.1990	.3668	.1267
37	.206	.0116	.0116	.0096	.0948	.1748	.0604
38	.211	.0116	.0116	.0096	.1102	.2032	.0702
39	.217	.0133	.0133	.0113	.1496	.2757	.0953
40	.222	.0073	.0083	.0063	.0969	.1787	.0617
41	.228	.0053	.0061	.0041	.0738	.1361	.0470
42	.233	.0043	.0058	.0038	.0603	.1480	.0511
43	.239	.0049	.0049	.0028	.0724	.1334	.0461
44	.244	.0033	.0036	.0016	.0461	.0850	.0294
45	.250	.0027	.0029	.0009	.0301	.0554	.0191
46	.256	.0027	.0029	.0009	.0368	.0679	.0235
47	.261	.0034	.0034	.0014	.0695	.1280	.0442
48	.267	.0041	.0037	.0017	.1031	.1900	.0657
49	.272	.0034	.0032	.0012	.0892	.1643	.0568
50	.278	.0021	.0024	.0004	.0359	.0662	.0229
51	.283	.0020	.0021	.0002	.0165	.0305	.0105
52	.289	.0025	.0025	.0005	.0698	.1287	.0445
53	.294	.0032	.0029	.0010	.1491	.2748	.0949
54	.300	.0029	.0027	.0007	.1441	.2655	.0917
55	.306	.0019	.0021	.0001	.0288	.0532	.0184
56	.311	.0016	.0017	.0000	.0000	.0000	.0000
57	.317	.0018	.0017	.0000	.0000	.0000	.0000
58	.322	.0017	.0016	.0000	.0000	.0000	.0000
59	.328	.0012	.0013	.0000	.0000	.0000	.0000
60	.333	.0010	.0011	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 19/ 9/55 AV. T= 7.2 RECORD = JMC018
HOUR = 21 SIG.HGT. = 16.0 UPPER HGT. = 17.4
TOTAL OF =191 CORR. VAR. = 16.0 LOWER HGT. = 14.7
NOISE LEVEL = .0034 WIND SPEED = 20

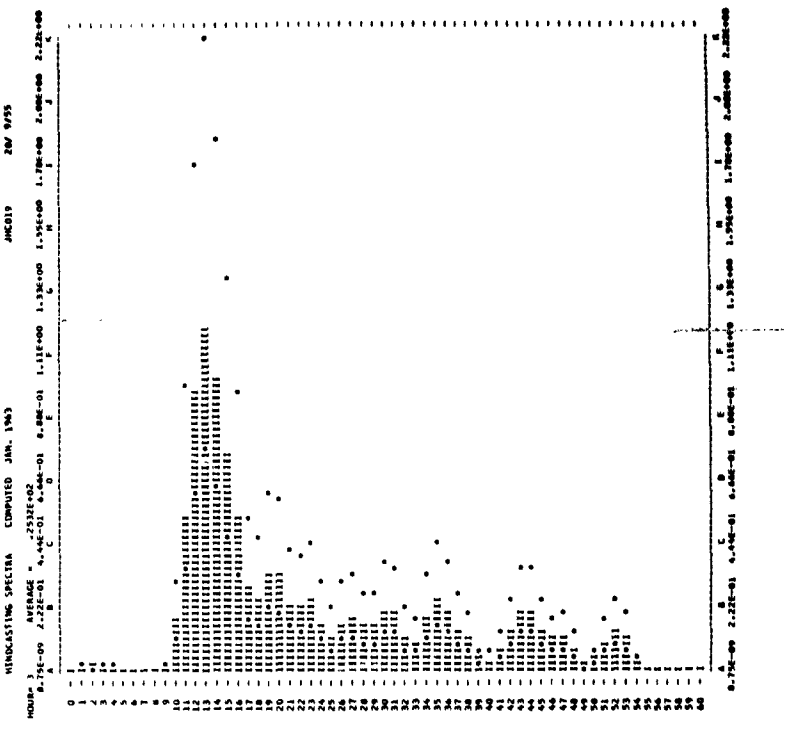
H	FRQ.	UNIT-FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0244	.0244	.0210	.0210	.0386	.0133
1	.006	.0307	.0273	.0273	.0273	.0502	.0174
2	.011	.0349	.0349	.0315	.0315	.0580	.0200
3	.017	.0234	.0234	.0200	.0200	.0368	.0127
4	.022	.0120	.0120	.0086	.0086	.0158	.0055
5	.028	.0077	.0077	.0043	.0043	.0079	.0027
6	.033	.0069	.0069	.0035	.0056	.0103	.0036
7	.039	.0019	.0019	.0000	.0000	.0000	.0000
8	.044	.0078	.0078	.0044	.0054	.0100	.0035
9	.050	.0770	.0770	.0736	.0866	.1593	.0550
10	.056	.5482	.5482	.5448	.6210	1.1445	.3954
11	.061	1.6029	1.6029	1.5995	1.8060	3.3286	1.1499
12	.067	1.9367	1.9367	1.9333	2.1906	4.0377	1.3949
13	.072	1.1323	1.1323	1.1289	1.9035	2.4028	.8300
14	.078	.9006	.9006	.8972	.7088	1.3065	.4513
15	.083	.5234	.5234	.5200	.6398	1.1792	.4074
16	.089	.4201	.4201	.4167	.5352	.9869	.3408
17	.094	.3030	.3030	.2996	.4049	.7464	.2578
18	.100	.2583	.2583	.2549	.3634	.6707	.2317
19	.106	.2091	.2091	.2057	.3125	.5759	.1990
20	.111	.1447	.1447	.1413	.2296	.4229	.1461
21	.117	.1429	.1429	.1395	.2433	.4484	.1549
22	.122	.1274	.1274	.1240	.2334	.4302	.1486
23	.128	.1148	.1148	.1114	.2273	.4190	.1448
24	.133	.1081	.1081	.1047	.2328	.4291	.1482
25	.139	.1086	.1086	.1052	.2561	.4720	.1630
26	.144	.1104	.1104	.1130	.1023	.9573	.1925
27	.150	.0847	.0847	.0813	.2399	.4422	.1528
28	.156	.0857	.0857	.0823	.2692	.4962	.1714
29	.161	.1089	.1089	.1055	.3840	.7078	.2445
30	.167	.0890	.0890	.0810	.3321	.6121	.2116
31	.172	.0576	.0576	.0542	.2673	.4958	.1574
32	.178	.0538	.0538	.0504	.2595	.4788	.1691
33	.183	.0490	.0490	.0456	.2651	.4887	.1688
34	.189	.0444	.0444	.0410	.2709	.4993	.1725
35	.194	.0396	.0396	.0360	.2711	.4997	.1726
36	.200	.0318	.0318	.0284	.2449	.4513	.1559
37	.206	.0291	.0291	.0257	.2568	.4691	.1620
38	.211	.0282	.0282	.0168	.1919	.3536	.1222
39	.217	.0170	.0170	.0136	.1800	.3317	.1146
40	.222	.0169	.0153	.0118	.1826	.3365	.1163
41	.228	.0103	.0109	.0075	.1353	.2494	.0861
42	.233	.0063	.0071	.0037	.0784	.1444	.0499
43	.239	.0057	.0061	.0027	.0676	.1242	.0429
44	.244	.0049	.0068	.0034	.0987	.1819	.0628
45	.250	.0077	.0073	.0039	.1353	.2494	.0862
46	.256	.0070	.0072	.0037	.1549	.2855	.0986
47	.261	.0070	.0072	.0037	.1852	.3413	.1179
48	.267	.0077	.0075	.0040	.2400	.4424	.1528
49	.272	.0075	.0070	.0036	.2569	.4698	.1623
50	.278	.0051	.0054	.0020	.1763	.3212	.1110
51	.283	.0037	.0041	.0006	.0644	.1187	.0410
52	.289	.0035	.0033	.0000	.0000	.0000	.0000
53	.294	.0027	.0027	.0000	.0000	.0000	.0000
54	.300	.0019	.0021	.0000	.0000	.0000	.0000
55	.306	.0020	.0022	.0000	.0000	.0000	.0000
56	.311	.0028	.0027	.0000	.0000	.0000	.0000
57	.317	.0034	.0033	.0000	.0000	.0000	.0000
58	.322	.0037	.0034	.0005	.0005	.0009	.0003
59	.328	.0046	.0047	.0013	.0013	.0024	.0008
60	.333	.0047	.0047	.0018	.0018	.0033	.0012



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 20/ 9/55 AV. T= 7.0 RECORD = JHC019
HOUR = 3 SIG.HGT. = 13.3 UPPER HGT. = 14.4
TOTAL OF =213 CORR. VAR. = 11.0 LOWER HGT. = 12.3
NOISE LEVEL = .0029 WIND SPEED = 25

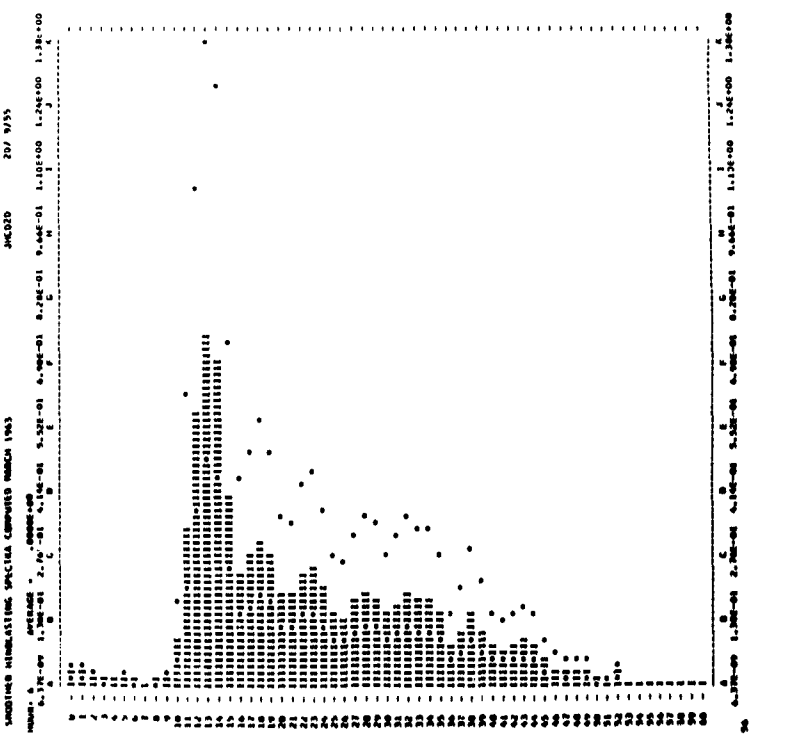
N	FRE.	UNIT-FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0050	.0050	.0026	.0026	.0047	.0016
1	.006	.0091	.0091	.0066	.0066	.0122	.0042
2	.011	.0138	.0138	.0114	.0116	.0209	.0072
3	.017	.0123	.0123	.0094	.0099	.0182	.0063
4	.022	.0100	.0100	.0076	.0076	.0140	.0048
5	.028	.0068	.0068	.0043	.0043	.0080	.0028
6	.033	.0044	.0044	.0019	.0031	.0058	.0020
7	.039	.0020	.0020	.0000	.0000	.0000	.0000
8	.044	.0054	.0054	.0030	.0037	.0068	.0023
9	.050	.0110	.0110	.0086	.0101	.0185	.0064
10	.056	.1519	.1519	.1496	.1703	.3139	.1084
11	.061	.4819	.4819	.4795	.5414	.9978	.3447
12	.067	.8560	.8560	.8535	.9681	1.7844	.6164
13	.072	1.0491	1.0491	1.0427	1.2040	2.2191	.7666
14	.078	.8581	.8581	.8556	1.0156	1.8720	.6467
15	.083	.6074	.6074	.6049	.7443	1.3718	.4739
16	.089	.4143	.4143	.4119	.5290	.9751	.3369
17	.094	.2137	.2137	.2112	.2853	.5258	.1816
18	.100	.1801	.1801	.1777	.2537	.4675	.1615
19	.106	.2280	.2280	.2255	.3427	.6316	.2182
20	.111	.2040	.2040	.2016	.3276	.6034	.2085
21	.117	.1345	.1345	.1320	.2303	.4245	.1466
22	.122	.1200	.1200	.1176	.2214	.4080	.1410
23	.128	.1197	.1197	.1173	.2396	.4413	.1525
24	.133	.0767	.0767	.0742	.1651	.3043	.1051
25	.139	.0521	.0521	.0496	.1208	.2226	.0769
26	.[illegible]	.0434	.0434	.0410	.1031	.1007	.0359
27	.150	.0656	.0656	.0631	.1864	.3436	.1187
28	.156	.0479	.0479	.0455	.1488	.2742	.0947
29	.161	.0432	.0432	.0408	.1484	.2735	.0945
30	.167	.0514	.0514	.0489	.1991	.3671	.1268
31	.172	.0456	.0456	.0431	.1967	.3626	.1253
32	.178	.0256	.0256	.0232	.1193	.2199	.0760
33	.183	.0195	.0195	.0170	.0991	.1826	.0631
34	.189	.0241	.0241	.0216	.1759	.3242	.1120
35	.194	.0345	.0345	.0320	.2416	.4453	.1538
36	.200	.0267	.0267	.0242	.2091	.3855	.1332
37	.206	.0168	.0168	.0143	.1622	.2621	.0905
38	.211	.0119	.0119	.0094	.1074	.1979	.0684
39	.217	.0055	.0055	.0030	.0402	.0740	.0256
40	.222	.0034	.0046	.0022	.0332	.0612	.0212
41	.228	.0062	.0062	.0037	.0661	.1232	.0426
42	.233	.0089	.0088	.0063	.1351	.2496	.0848
43	.239	.0111	.0103	.0078	.1945	.3585	.1238
44	.244	.0101	.0092	.0067	.1970	.3631	.1254
45	.250	.0054	.0044	.0039	.1352	.2492	.0861
46	.256	.0044	.0049	.0024	.1014	.1869	.0646
47	.261	.0053	.0046	.0022	.1073	.1978	.0683
48	.267	.0034	.0036	.0011	.0676	.1245	.0430
49	.272	.0022	.0027	.0002	.0151	.0279	.0096
50	.278	.0028	.0029	.0004	.0339	.0625	.0216
51	.283	.0035	.0034	.0009	.0957	.1764	.0610
52	.289	.0036	.0035	.0010	.1273	.2346	.0811
53	.294	.0031	.0031	.0007	.1032	.1903	.0657
54	.300	.0027	.0026	.0001	.0259	.0477	.0165
55	.306	.0019	.0020	.0000	.0000	.0000	.0000
56	.311	.0016	.0018	.0000	.0000	.0000	.0000
57	.317	.0022	.0021	.0000	.0000	.0000	.0000
58	.322	.0027	.0024	.0000	.0000	.0000	.0000
59	.328	.0020	.0020	.0000	.0000	.0000	.0000
60	.333	.0013	.0017	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 20/ 9/55 AV. T= 7.3 RECORD = JHC020
HOUR = 6 SIG.HGT. = 11.4 UPPER HGT. = 12.3
TOTAL OF =252 CORR. VAR. = 8.1 LOWER HGT. = 10.6
NOISE LEVEL = .0029 WIND SPEED = 0

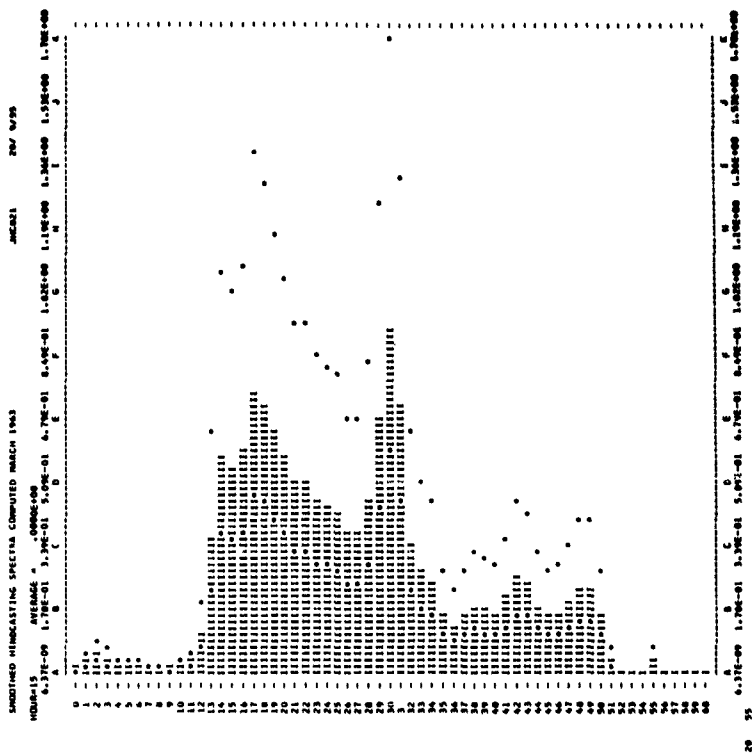
N	FRE.	UNIT-FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0282	.0282	.0253	.0253	.0446	.0161
1	.006	.0290	.0290	.0261	.0261	.0481	.0166
2	.011	.0216	.0216	.0185	.0185	.0341	.0118
3	.017	.0116	.0116	.0087	.0087	.0160	.0055
4	.022	.0139	.0139	.0110	.0110	.0203	.0070
5	.028	.0145	.0145	.0116	.0116	.0214	.0074
6	.033	.0092	.0092	.0063	.0102	.0187	.0065
7	.039	.0051	.0051	.0022	.0030	.0055	.0019
8	.044	.0088	.0088	.0059	.0073	.0135	.0047
9	.050	.0134	.0134	.0105	.0123	.0227	.0078
10	.056	.0854	.0854	.0825	.0940	.1733	.0599
11	.061	.2995	.2995	.2966	.3349	.6172	.2132
12	.067	.5144	.5144	.5115	.5802	1.0694	.3694
13	.072	.6515	.6515	.6486	.7489	1.3804	.4769
14	.078	.5887	.5887	.5858	.6953	1.2816	.4427
15	.083	.3267	.3267	.3238	.3984	.7343	.2537
16	.089	.1890	.1890	.1861	.2390	.4406	.1522
17	.094	.2025	.2025	.1996	.2695	.4968	.1716
18	.100	.2189	.2189	.2160	.3084	.5684	.1964
19	.106	.1817	.1817	.1788	.2716	.5007	.1730
20	.111	.1233	.1233	.1204	.1955	.3604	.1245
21	.117	.1111	.1111	.1082	.1887	.3479	.1202
22	.122	.1259	.1259	.1230	.2316	.4268	.1474
23	.128	.1231	.1231	.1202	.2494	.4922	.1562
24	.133	.0945	.0945	.0916	.2037	.3795	.1297
25	.139	.0657	.0657	.0608	.1480	.2728	.0962
26	.144	.0587	.0587	.0538	.1440	.2656	.0917
27	.150	.0620	.0620	.0591	.1765	.3215	.1111
28	.156	.0634	.0634	.0605	.1980	.3649	.1260
29	.161	.0536	.0536	.0507	.1846	.3402	.1175
30	.167	.0393	.0393	.0364	.1482	.2731	.0943
31	.172	.0399	.0399	.0370	.1689	.3113	.1075
32	.178	.0410	.0410	.0381	.1961	.3615	.1249
33	.183	.0337	.0337	.0308	.1792	.3302	.1141
34	.189	.0297	.0297	.0268	.1772	.3266	.1128
35	.194	.0227	.0227	.0198	.1482	.2730	.0990
36	.200	.0127	.0127	.0098	.0845	.1558	.0538
37	.206	.0141	.0141	.0112	.1110	.2045	.0707
38	.211	.0167	.0167	.0138	.1378	.2909	.1005
39	.217	.0117	.0117	.0088	.1166	.2150	.0743
40	.222	.0075	.0083	.0084	.0839	.1547	.0534
41	.228	.0071	.0071	.0042	.0759	.1399	.0483
42	.233	.0070	.0069	.0040	.0853	.1572	.0543
43	.239	.0067	.0066	.0037	.0916	.1688	.0584
44	.244	.0060	.0057	.0028	.0819	.1509	.0521
45	.250	.0041	.0044	.0015	.0536	.0988	.0341
46	.256	.0036	.0037	.0008	.0338	.0623	.0215
47	.261	.0036	.0035	.0006	.0317	.0584	.0202
48	.267	.0034	.0035	.0006	.0336	.0619	.0214
49	.272	.0035	.0033	.0004	.0297	.0547	.0189
50	.278	.0029	.0030	.0001	.0100	.0184	.0063
51	.283	.0028	.0029	.0000	.0042	.0078	.0027
52	.289	.0033	.0031	.0002	.0211	.0390	.0135
53	.294	.0029	.0029	.0000	.0000	.0000	.0000
54	.300	.0024	.0025	.0000	.0000	.0000	.0000
55	.306	.0024	.0024	.0000	.0000	.0000	.0000
56	.311	.0024	.0026	.0000	.0000	.0000	.0000
57	.317	.0033	.0033	.0004	.0004	.0007	.0002
58	.322	.0042	.0037	.0008	.0008	.0015	.0005
59	.328	.0031	.0031	.0002	.0002	.0004	.0001
60	.333	.0020	.0025	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 20/ 9/55 AV. T= 6.8 RECORD = JMC021
HOUR = 15 SIG.HGT. = 18.4 UPPER HGT. = 16.4
TOTAL OF =864 CORR. VAR. = 14.8 LOWER HGT. = 16.4
NOISE LEVEL = .0039 WIND SPEED = 25

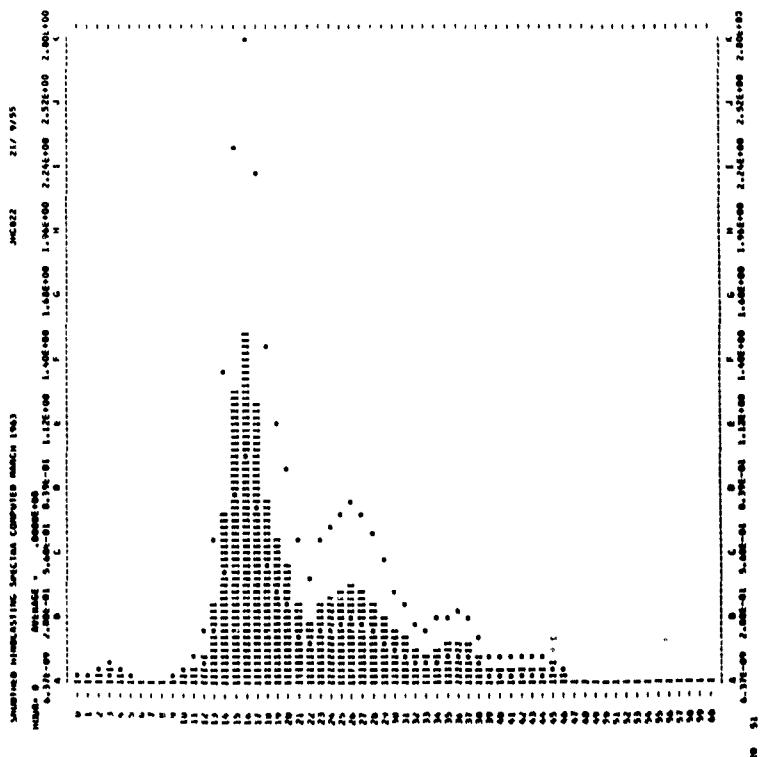
N	FRQ.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0134	.0134	.0095	.0095	.0179	.0060
1	.006	.0319	.0319	.0280	.0280	.0316	.0178
2	.011	.0488	.0488	.0454	.0454	.0544	.0282
3	.017	.0364	.0364	.0325	.0325	.0399	.0207
4	.022	.0247	.0247	.0208	.0208	.0283	.0132
5	.028	.0229	.0229	.0186	.0186	.0263	.0110
6	.033	.0166	.0166	.0107	.0107	.0216	.0110
7	.039	.0087	.0087	.0048	.0046	.0121	.0042
8	.044	.0081	.0081	.0042	.0042	.0096	.0033
9	.050	.0114	.0114	.0075	.0068	.0142	.0054
10	.056	.0172	.0172	.0133	.0152	.0279	.0096
11	.061	.0319	.0319	.0280	.0316	.0583	.0201
12	.067	.0972	.0972	.0933	.1958	.1991	.0674
13	.072	.3803	.3803	.3764	.3915	.6478	.2130
14	.078	.4996	.4996	.4917	.9836	1.0757	.3716
15	.083	.4917	.4917	.4678	.9510	1.0155	.3506
16	.089	.4658	.4658	.4619	.9033	1.0195	.3778
17	.094	.5622	.5622	.5583	.7539	1.1986	.4081
18	.100	.5819	.5819	.5780	.7110	1.3105	.4527
19	.106	.4293	.4293	.4194	.6372	1.1744	.4057
20	.111	.3572	.3572	.3533	.5738	1.0976	.3654
21	.117	.2932	.2932	.2893	.5029	.9269	.3202
22	.122	.2739	.2739	.2700	.5083	.9178	.3237
23	.128	.2310	.2310	.2271	.4436	.8549	.2952
24	.133	.2026	.2026	.1987	.4428	.8146	.2814
25	.139	.1815	.1815	.1776	.4324	.7970	.2753
26	.144	.1608	.1608	.1569	.3666	.6753	.2335
27	.150	.1283	.1283	.1244	.3673	.6769	.2338
28	.156	.1421	.1421	.1382	.4522	.8336	.2880
29	.161	.1910	.1910	.1871	.6813	1.2557	.4338
30	.167	.2301	.2301	.2262	.9209	1.6974	.5864
31	.172	.1613	.1613	.1574	.7186	1.3244	.4575
32	.178	.0714	.0714	.0675	.3475	.6406	.2213
33	.183	.0519	.0519	.0480	.2793	.5148	.1778
34	.189	.0489	.0489	.0370	.2467	.4510	.1598
35	.194	.0235	.0235	.0196	.1477	.2723	.0941
36	.200	.0181	.0181	.0142	.1226	.2259	.0781
37	.206	.0190	.0190	.0151	.1497	.2759	.0953
38	.211	.0193	.0193	.0154	.1762	.3248	.1122
39	.217	.0169	.0169	.0126	.1671	.3080	.1064
40	.222	.0126	.0141	.0102	.1573	.2898	.1001
41	.228	.0147	.0148	.0109	.1971	.3633	.1255
42	.233	.0174	.0197	.0118	.2490	.4588	.1585
43	.239	.0133	.0132	.0093	.2315	.4266	.1474
44	.244	.0089	.0098	.0059	.1738	.3203	.1106
45	.250	.0082	.0082	.0043	.1512	.2788	.0963
46	.256	.0077	.0077	.0038	.1594	.2937	.1015
47	.261	.0076	.0076	.0037	.1843	.3397	.1174
48	.267	.0080	.0076	.0037	.2227	.4104	.1418
49	.272	.0072	.0070	.0031	.2197	.4049	.1399
50	.278	.0059	.0056	.0017	.1468	.2705	.0935
51	.283	.0042	.0042	.0003	.0336	.0620	.0214
52	.289	.0030	.0033	.0000	.0000	.0000	.0000
53	.294	.0030	.0031	.0000	.0000	.0000	.0000
54	.300	.0036	.0035	.0000	.0000	.0000	.0000
55	.306	.0040	.0041	.0002	.0404	.0744	.0257
56	.311	.0047	.0045	.0006	.0006	.0011	.0004
57	.317	.0047	.0046	.0007	.0007	.0013	.0004
58	.322	.0043	.0043	.0004	.0004	.0007	.0002
59	.328	.0038	.0038	.0000	.0000	.0000	.0000
60	.333	.0033	.0035	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 21/ 9/55 AV. T= 7.0 RECORD = JMC022
HOUR = 0 SIG.HGT. = 14.0 UPPER HGT. = 15.3
TOTAL OF =176 CORR. VAR. = 12.1 LOWER HGT. = 12.9
NOISE LEVEL = .0049 WIND SPEED = 28

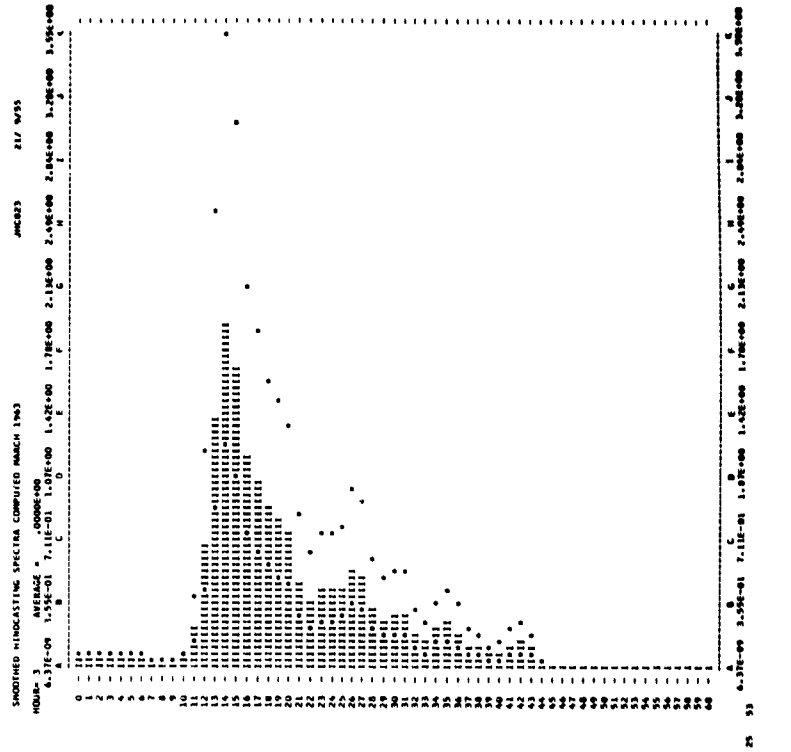
N	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0127	.0127	.0077	.0077	.0143	.0049
1	.006	.0183	.0183	.0133	.0133	.0266	.0085
2	.011	.0361	.0361	.0311	.0311	.0574	.0198
3	.017	.0506	.0506	.0456	.0457	.0841	.0291
4	.022	.0386	.0386	.0336	.0336	.0620	.0214
5	.028	.0165	.0165	.0115	.0115	.0213	.0074
6	.033	.0096	.0096	.0046	.0075	.0138	.0048
7	.039	.0077	.0077	.0027	.0038	.0070	.0024
8	.044	.0100	.0100	.0050	.0063	.0116	.0040
9	.050	.0168	.0168	.0118	.0139	.0257	.0089
10	.056	.0372	.0372	.0322	.0368	.0678	.0234
11	.061	.0441	.0441	.0591	.0668	.1231	.0425
12	.067	.1104	.1104	.1054	.1196	.2205	.0762
13	.072	.2940	.2940	.2890	.3338	.6152	.2125
14	.078	.6161	.6161	.6111	.7254	1.3371	.4619
15	.083	1.0305	1.0305	1.0255	1.2618	2.3258	.8035
16	.089	1.1866	1.1866	1.1816	1.5178	2.7976	.9665
17	.094	.8878	.8828	1.1922	2.1976	.7591
18	.100	.5627	.5627	.5577	.7969	1.4677	.5070
19	.106	.4080	.4080	.4030	.6124	1.1287	.3899
20	.111	.3175	.3175	.3125	.5076	.9356	.3232
21	.117	.1921	.1921	.1871	.3265	.6017	.2079
22	.122	.1359	.1359	.1309	.2286	.4564	.1570
23	.128	.1698	.1698	.1648	.3365	.6203	.2143
24	.133	.1679	.1679	.1629	.3624	.6680	.2308
25	.139	.1660	.1660	.1610	.3921	.7228	.2497
26	.144	.1646	.1646	.1596	.4273	.7876	.2721
27	.150	.1391	.1391	.1341	.3961	.7300	.2522
28	.156	.1115	.1115	.1065	.3687	.6427	.2220
29	.161	.0825	.0825	.0775	.2824	.5205	.1798
30	.167	.0581	.0581	.0531	.2146	.3988	.1378
31	.172	.0456	.0456	.0406	.1847	.3404	.1176
32	.178	.0324	.0324	.0274	.1613	.2605	.0900
33	.183	.0262	.0262	.0212	.1237	.2279	.0787
34	.189	.0273	.0273	.0223	.1678	.2726	.0941
35	.194	.0256	.0256	.0206	.1342	.2841	.0982
36	.200	.0237	.0237	.0187	.1619	.2984	.1031
37	.206	.0206	.0206	.0156	.1552	.2861	.0988
38	.211	.0146	.0146	.0096	.1105	.2036	.0703
39	.217	.0099	.0099	.0046	.0604	.1113	.0384
40	.222	.0081	.0088	.0037	.0967	.1845	.0361
41	.228	.0088	.0084	.0034	.0617	.1137	.0393
42	.233	.0078	.0078	.0029	.0612	.1128	.0390
43	.239	.0079	.0071	.0022	.0540	.0996	.0344
44	.244	.0078	.0070	.0021	.0662	.1109	.0383
45	.250	.0076	.0070	.0021	.0722	.1331	.0460
46	.256	.0062	.0058	.0008	.0342	.0630	.0218
47	.261	.0031	.0039	.0000	.0000	.0000	.0000
48	.267	.0037	.0033	.0000	.0000	.0000	.0000
49	.272	.0036	.0033	.0000	.0000	.0000	.0000
50	.278	.0038	.0031	.0000	.0000	.0000	.0000
51	.283	.0045	.0044	.0000	.0000	.0000	.0000
52	.289	.0055	.0048	.0000	.0000	.0000	.0000
53	.294	.0038	.0041	.0000	.0000	.0000	.0000
54	.300	.0035	.0042	.0000	.0000	.0000	.0000
55	.306	.0049	.0051	.0004	.0004	.0006	.0002
56	.311	.0059	.0054	.0003	.0003	.0005	.0002
57	.317	.0041	.0048	.0000	.0000	.0000	.0000
58	.322	.0052	.0051	.0002	.0002	.0003	.0001
59	.328	.0060	.0056	.0007	.0007	.0012	.0004
60	.333	.0053	.0056	.0007	.0007	.0013	.0004



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 21/ 9/55 Av. T= 8.4 RECORD = JMC023
HOUR = 3 SIG.HGT. = 16.4 UPPER HGT. = 17.6
TOTAL DF =183 CORR. VAR. = 16.7 LOWER HGT. = 15.8
NOISE LEVEL = .0050 WIND SPEED = 20

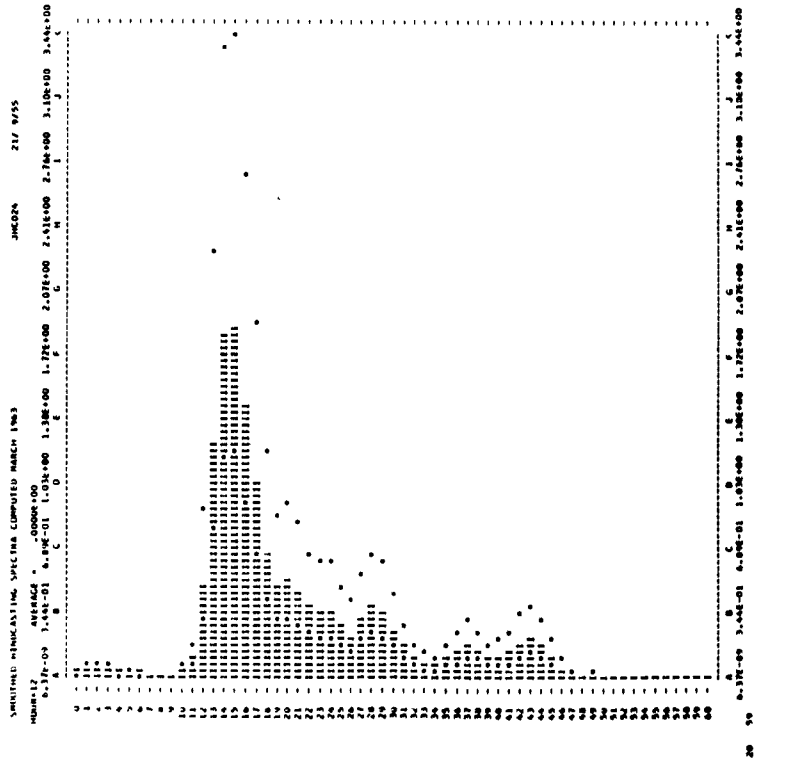
N	FRE.	UNIT-FT.2 FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0503	.0503	.0493	.0859	.0288
1	.006	.0510	.0468	.0468	.0862	.0298
2	.011	.0527	.0527	.0477	.0879	.0306
3	.017	.0489	.0489	.0439	.0809	.0270
4	.022	.0426	.0426	.0374	.0689	.0238
5	.028	.0361	.0361	.0311	.0573	.0198
6	.033	.0271	.0271	.0221	.0357	.0658	.0227
7	.039	.0175	.0175	.0125	.0172	.0316	.0109
8	.044	.0129	.0129	.0079	.0098	.0181	.0063
9	.050	.0168	.0168	.0098	.0115	.0212	.0073
10	.056	.2335	.0335	.0285	.0325	.0599	.0207
11	.061	.1884	.1884	.1834	.2071	.3817	.1318
12	.067	.5890	.5890	.5860	.6624	1.2209	.4218
13	.072	1.2113	1.2113	1.2063	1.3929	2.5673	.8869
14	.078	1.6295	1.6295	1.6265	1.9283	3.5541	1.2278
15	.083	1.3491	1.3491	1.3441	1.6538	3.0481	1.0530
16	.089	.9123	.9123	.9073	1.1654	2.1480	.7421
17	.094	.7990	.7990	.7940	1.0182	1.8767	.6483
18	.100	.6173	.6173	.6123	.8762	1.6112	.5566
19	.106	.5373	.5373	.5323	.8087	1.4906	.5149
20	.111	.4565	.4565	.4515	.7333	1.3515	.4669
21	.117	.2745	.2745	.2695	.4701	.8665	.2993
22	.122	.1854	.1804	.1804	.3196	.4260	.2163
23	.128	.2071	.2071	.2021	.4126	.7604	.2627
24	.133	.1905	.1905	.1855	.4126	.7605	.2627
25	.139	.1788	.1788	.1738	.4232	.7800	.2694
26	.144	.2100	.2100	.2050	.5467	1.0113	.3494
27	.150	.1717	.1717	.1667	.4921	.9071	.3134
28	.156	.1049	.1049	.0999	.3269	.6025	.2081
29	.161	.0773	.0773	.0723	.2632	.4852	.1676
30	.167	.0763	.0763	.0713	.2903	.5350	.1848
31	.172	.0677	.0677	.0627	.2862	.5275	.1822
32	.178	.0379	.0379	.0329	.1694	.3122	.1078
33	.183	.0288	.0288	.0238	.1386	.2552	.0882
34	.189	.0352	.0352	.0302	.1997	.3680	.1271
35	.194	.0363	.0363	.0313	.2359	.4348	.1502
36	.200	.0264	.0264	.0214	.1847	.3404	.1176
37	.206	.0174	.0174	.0124	.1229	.2265	.0783
38	.211	.0141	.0141	.0091	.1041	.1918	.0663
39	.217	.0093	.0093	.0043	.0570	.1050	.0363
40	.222	.0100	.0103	.0053	.0820	.1512	.0522
41	.228	.0120	.0114	.0064	.1156	.2130	.0736
42	.233	.0117	.0111	.0061	.1291	.2380	.0822
43	.239	.0091	.0088	.0038	.0936	.1725	.0596
44	.244	.0052	.0056	.0006	.0167	.0307	.0106
45	.250	.0028	.0036	.0000	.0000	.0000	.0000
46	.256	.0035	.0037	.0000	.0000	.0000	.0000
47	.261	.0049	.0045	.0000	.0000	.0000	.0000
48	.267	.0048	.0048	.0000	.0000	.0000	.0000
49	.272	.0047	.0047	.0000	.0000	.0000	.0000
50	.278	.0047	.0050	.0000	.0000	.0000	.0000
51	.283	.0058	.0058	.0008	.0008	.0014	.0005
52	.289	.0068	.0065	.0015	.0015	.0028	.0010
53	.294	.0067	.0064	.0014	.0014	.0027	.0009
54	.300	.0056	.0055	.0005	.0005	.0010	.0003
55	.306	.0043	.0047	.0000	.0000	.0000	.0000
56	.311	.0046	.0044	.0000	.0000	.0000	.0000
57	.317	.0040	.0039	.0000	.0000	.0000	.0000
58	.322	.0031	.0036	.0000	.0000	.0000	.0000
59	.328	.0042	.0043	.0000	.0000	.0000	.0000
60	.333	.0056	.0049	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 21/ 9/55 Av. T= 8.1 RECORD = JMC024
HOUR = 12 SIG.HGT. = 15.5 UPPER HGT. = 17.0
TOTAL DF =161 CORR. VAR. = 15.1 LOWER HGT. = 14.2
NOISE LEVEL = .0030 WIND SPEED = 25

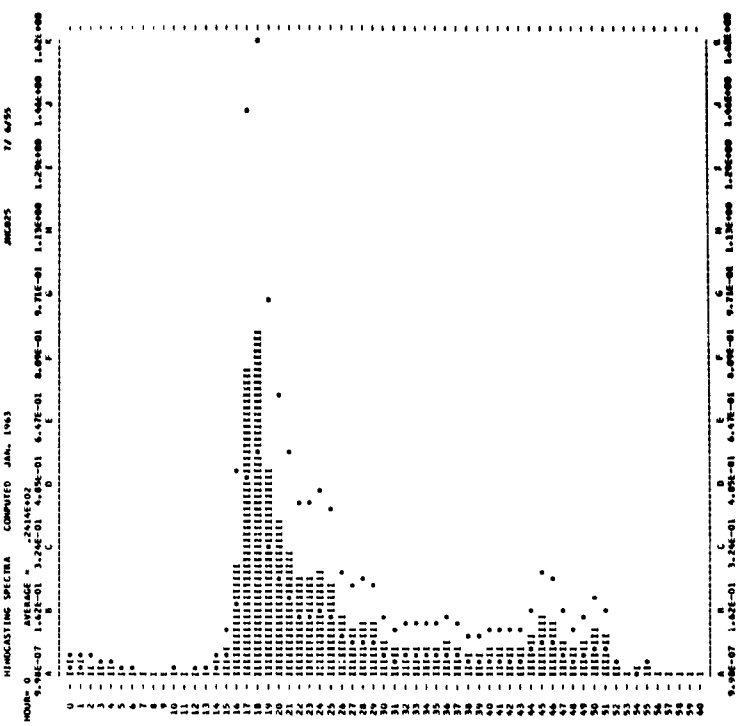
N	FRE.	UNIT-FT.2 FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0271	.0271	.0241	.0441	.0153
1	.006	.0352	.0352	.0322	.0593	.0209
2	.011	.0454	.0454	.0424	.0781	.0270
3	.017	.0363	.0363	.0333	.0613	.0212
4	.022	.0203	.0203	.0173	.0319	.0110
5	.028	.0152	.0152	.0122	.0225	.0078
6	.033	.0151	.0151	.0121	.0195	.0360	.0124
7	.039	.0085	.0085	.0055	.0075	.0139	.0048
8	.044	.0054	.0054	.0024	.0030	.0055	.0019
9	.050	.0059	.0059	.0029	.0030	.0062	.0022
10	.056	.0318	.0318	.0288	.0328	.0605	.0209
11	.061	.0919	.0919	.0889	.1004	.1850	.0639
12	.067	.4243	.4243	.4213	.4779	.8808	.3044
13	.072	1.0899	1.0899	1.0869	1.2319	2.2706	.7846
14	.078	1.5409	1.5409	1.5379	1.8255	3.3646	1.1623
15	.083	1.5218	1.5218	1.5188	1.8687	3.4443	1.1899
16	.089	1.1423	1.1423	1.1393	1.4634	2.6973	.9318
17	.094	.7676	.7676	.7646	1.0325	1.9030	.6576
18	.100	.4590	.4590	.4560	.6910	1.1999	.4145
19	.106	.3133	.3133	.3103	.4714	.8689	.3002
20	.111	.3176	.3176	.3146	.5109	.9417	.3253
21	.117	.2603	.2603	.2573	.4488	.8272	.2858
22	.122	.1952	.1952	.1922	.3618	.6669	.2304
23	.128	.1704	.1704	.1674	.3617	.6298	.2176
24	.133	.1552	.1552	.1522	.3385	.6239	.2155
25	.139	.1124	.1124	.1094	.2663	.4909	.1696
26	.144	.0866	.0866	.0836	.2237	.4123	.1424
27	.150	.1042	.1042	.1012	.2987	.9506	.1902
28	.156	.1140	.1140	.1110	.3632	.6694	.2313
29	.161	.0930	.0930	.0900	.3277	.6039	.2084
30	.167	.0647	.0647	.0617	.2511	.4629	.1599
31	.172	.0371	.0371	.0341	.1556	.2868	.0991
32	.178	.0223	.0223	.0193	.0993	.1830	.0632
33	.183	.0155	.0155	.0125	.0726	.1339	.0463
34	.189	.0123	.0123	.0093	.0616	.1132	.0391
35	.194	.0156	.0154	.0124	.0933	.1720	.0594
36	.200	.0186	.0186	.0156	.1349	.2480	.0857
37	.206	.0198	.0198	.0168	.1664	.3068	.1060
38	.211	.0169	.0169	.0119	.1360	.2507	.0866
39	.217	.0107	.0107	.0077	.1019	.1879	.0649
40	.222	.0092	.0098	.0068	.1050	.1935	.0669
41	.228	.0102	.0104	.0074	.1334	.2459	.0849
42	.233	.0121	.0114	.0084	.1780	.3281	.1133
43	.239	.0116	.0110	.0080	.1976	.3643	.1258
44	.244	.0090	.0088	.0058	.1712	.3155	.1090
45	.250	.0060	.0062	.0032	.1116	.2058	.0711
46	.256	.0039	.0042	.0012	.0440	.0903	.0312
47	.261	.0030	.0032	.0002	.0116	.0212	.0073
48	.267	.0031	.0031	.0001	.0079	.0145	.0050
49	.272	.0034	.0031	.0001	.0095	.0175	.0060
50	.278	.0027	.0027	.0000	.0000	.0000	.0000
51	.283	.0021	.0023	.0000	.0000	.0000	.0000
52	.289	.0025	.0027	.0000	.0000	.0000	.0000
53	.294	.0038	.0035	.0005	.0005	.0010	.0003
54	.300	.0041	.0038	.0008	.0008	.0014	.0005
55	.306	.0031	.0033	.0003	.0003	.0005	.0002
56	.311	.0028	.0030	.0000	.0000	.0000	.0000
57	.317	.0032	.0029	.0000	.0000	.0000	.0000
58	.322	.0024	.0026	.0000	.0000	.0000	.0000
59	.328	.0026	.0028	.0000	.0000	.0000	.0000
60	.333	.0037	.0031	.0001	.0001	.0002	.0001



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 7/ 6/55 AV. T= 6.5 RECORD = JHC025
HOUR = 0 SIG.HGT. = 10.3 UPPER HGT. = 11.2
TOTAL OF =180 CORR. VAR. = 6.6 LOWER HGT. = 9.4
NOISE LEVEL = .0014 WIND SPEED = 20

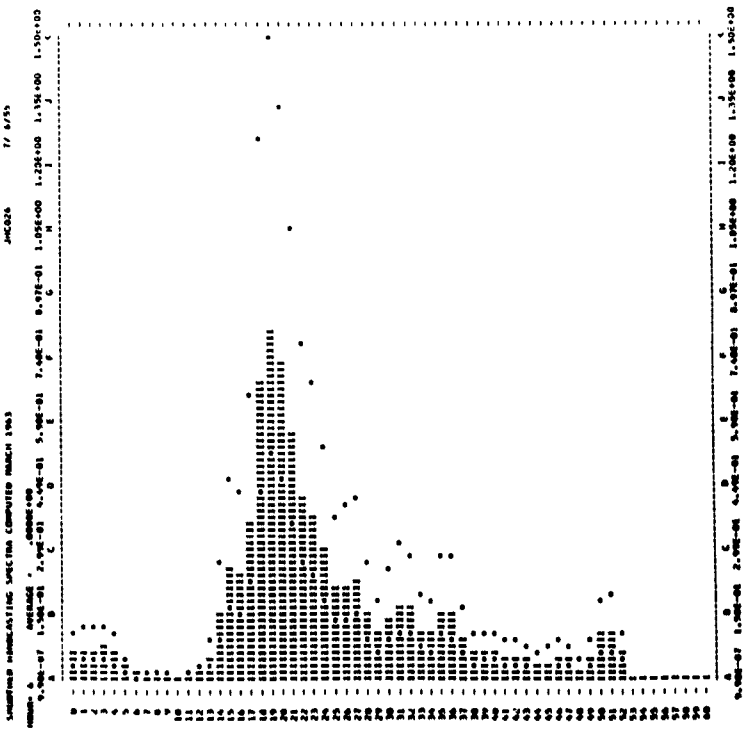
M	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0282	.0282	.0267	.0267	.0493	.0170
1	.006	.0299	.0299	.0284	.0284	.0449	.0159
2	.011	.0263	.0263	.0228	.0228	.0421	.0145
3	.017	.0226	.0226	.0211	.0211	.0390	.0135
4	.022	.0153	.0153	.0138	.0138	.0295	.0088
5	.028	.0088	.0088	.0065	.0065	.0119	.0041
6	.033	.0082	.0082	.0037	.0060	.0110	.0030
7	.039	.0038	.0038	.0023	.0038	.0049	.0020
8	.044	.0048	.0048	.0028	.0031	.0057	.0020
9	.050	.0058	.0058	.0038	.0041	.0076	.0026
10	.056	.0084	.0084	.0039	.0044	.0082	.0028
11	.061	.0039	.0039	.0024	.0028	.0051	.0018
12	.067	.0068	.0068	.0050	.0056	.0104	.0036
13	.072	.0079	.0079	.0064	.0076	.0137	.0047
14	.078	.0234	.0234	.0219	.0260	.0480	.0166
15	.083	.0944	.0944	.0932	.0696	.1288	.0416
16	.089	.2204	.2204	.2189	.2912	.5182	.1790
17	.094	.5814	.5814	.5799	.7881	1.4433	.4886
18	.100	.6164	.6164	.6149	.8179	1.4996	.5990
19	.106	.3458	.3458	.3423	.5200	.9888	.3111
20	.111	.2397	.2397	.2382	.3869	.7131	.2463
21	.117	.1800	.1800	.1785	.3114	.5739	.1963
22	.122	.1268	.1268	.1253	.2360	.4349	.1505
23	.128	.1172	.1172	.1157	.2262	.4353	.1504
24	.133	.1167	.1167	.1132	.2517	.4840	.1603
25	.139	.0960	.0960	.0945	.2301	.4241	.1465
26	.144	.0951	.0951	.0936	.1489	.2665	.0914
27	.150	.0425	.0425	.0410	.1211	.2232	.0771
28	.156	.0422	.0422	.0407	.1333	.2457	.0849
29	.161	.0393	.0393	.0338	.1232	.2271	.0784
30	.167	.0217	.0217	.0202	.0824	.1519	.0525
31	.172	.0144	.0144	.0130	.0591	.1090	.0376
32	.178	.0146	.0146	.0131	.0677	.1248	.0431
33	.183	.0139	.0139	.0174	.0724	.1335	.0461
34	.189	.0124	.0124	.0109	.0724	.1335	.0461
35	.194	.0111	.0111	.0098	.0723	.1332	.0460
36	.200	.0103	.0103	.0088	.0760	.1400	.0484
37	.206	.0084	.0084	.0069	.0682	.1256	.0434
38	.211	.0061	.0061	.0046	.0528	.0974	.0336
39	.217	.0056	.0056	.0041	.0543	.1000	.0345
40	.222	.0051	.0052	.0037	.0574	.1058	.0366
41	.228	.0050	.0049	.0034	.0468	.1121	.0387
42	.233	.0043	.0042	.0027	.0576	.1063	.0367
43	.239	.0032	.0038	.0023	.0578	.1065	.0368
44	.244	.0045	.0046	.0031	.0920	.1695	.0586
45	.250	.0061	.0055	.0040	.1397	.2576	.0890
46	.256	.0049	.0047	.0033	.1349	.2486	.0859
47	.261	.0028	.0032	.0017	.0858	.1582	.0547
48	.267	.0023	.0025	.0010	.0593	.1093	.0378
49	.272	.0025	.0026	.0011	.0763	.1406	.0486
50	.278	.0030	.0027	.0012	.1073	.1978	.0683
51	.283	.0024	.0023	.0008	.0892	.1644	.0568
52	.289	.0013	.0016	.0002	.0201	.0371	.0128
53	.294	.0014	.0014	.0000	.0000	.0000	.0000
54	.300	.0016	.0015	.0001	.0108	.0199	.0069
55	.306	.0015	.0015	.0001	.0138	.0255	.0088
56	.311	.0015	.0015	.0000	.0000	.0000	.0000
57	.317	.0013	.0013	.0000	.0000	.0000	.0000
58	.322	.0011	.0012	.0000	.0000	.0000	.0000
59	.328	.0012	.0012	.0000	.0000	.0000	.0000
60	.333	.0013	.0012	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 7/ 6/55 AV. T= 6.9 RECORD = JHC026
HOUR = 6 SIG.HGT. = 11.4 UPPER HGT. = 12.3
TOTAL OF =214 CORR. VAR. = 8.1 LOWER HGT. = 10.4
NOISE LEVEL = .0021 WIND SPEED = 20

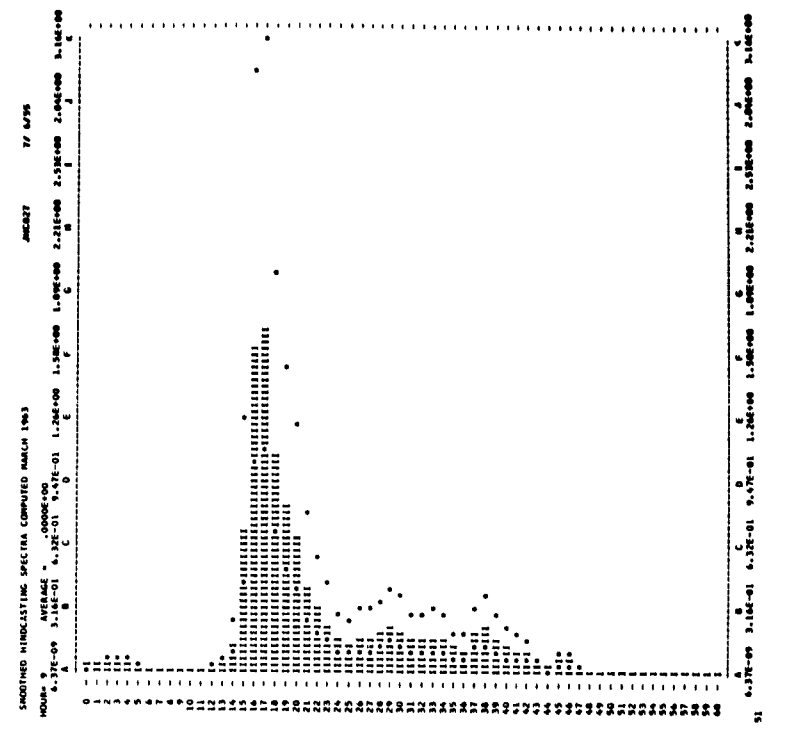
M	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0598	.0598	.0577	.0577	.1044	.0368
1	.006	.0650	.0650	.0629	.0629	.1140	.0401
2	.011	.0692	.0692	.0671	.0671	.1237	.0427
3	.017	.0705	.0705	.0684	.0684	.1241	.0436
4	.022	.0561	.0561	.0540	.0540	.0996	.0344
5	.028	.0258	.0258	.0237	.0237	.0437	.0151
6	.033	.0084	.0084	.0063	.0102	.0188	.0065
7	.039	.0057	.0057	.0036	.0050	.0092	.0032
8	.044	.0067	.0067	.0046	.0057	.0106	.0037
9	.050	.0057	.0057	.0036	.0042	.0078	.0027
10	.056	.0040	.0040	.0019	.0022	.0040	.0014
11	.061	.0069	.0069	.0048	.0054	.0100	.0035
12	.067	.0172	.0172	.0151	.0171	.0316	.0109
13	.072	.0465	.0465	.0444	.0513	.0945	.0327
14	.078	.1268	.1268	.1247	.1480	.2729	.0943
15	.083	.2044	.2044	.2025	.2492	.4593	.1587
16	.089	.1866	.1866	.1845	.2370	.4368	.1509
17	.094	.2659	.2659	.2638	.3563	.6566	.2268
18	.100	.4809	.4809	.4788	.6836	1.2600	.4353
19	.106	.5360	.5360	.5339	.8112	1.4951	.5165
20	.111	.4491	.4491	.4470	.7260	1.3381	.4623
21	.117	.3296	.3296	.3275	.5713	1.0530	.3638
22	.122	.2279	.2279	.2258	.4252	.7836	.2707
23	.128	.1891	.1891	.1830	.3736	.6887	.2379
24	.133	.1333	.1333	.1312	.2919	.5380	.1858
25	.139	.0852	.0852	.0831	.2024	.3730	.1289
26	.144	.0826	.0826	.0805	.2155	.3972	.1372
27	.150	.0802	.0802	.0781	.2306	.4251	.1468
28	.156	.0479	.0479	.0458	.1499	.2764	.0955
29	.161	.0290	.0290	.0269	.0980	.1807	.0624
30	.167	.0351	.0351	.0330	.1144	.2678	.0856
31	.172	.0387	.0387	.0366	.1672	.3081	.1064
32	.178	.0326	.0326	.0305	.1571	.2896	.1001
33	.183	.0205	.0205	.0184	.1072	.1975	.0682
34	.189	.0169	.0169	.0148	.0980	.1806	.0624
35	.194	.0224	.0224	.0203	.1432	.2823	.0919
36	.200	.0196	.0196	.0175	.1512	.2788	.0963
37	.206	.0114	.0114	.0093	.0824	.1703	.0588
38	.211	.0071	.0071	.0050	.0574	.1059	.0366
39	.217	.0066	.0066	.0045	.0599	.1105	.0382
40	.222	.0063	.0060	.0039	.0600	.1107	.0382
41	.228	.0047	.0046	.0025	.0516	.0952	.0329
42	.233	.0041	.0042	.0022	.0458	.0843	.0291
43	.239	.0041	.0038	.0018	.0439	.0809	.0280
44	.244	.0031	.0033	.0012	.0397	.0658	.0228
45	.250	.0029	.0031	.0011	.0372	.0685	.0237
46	.256	.0027	.0033	.0012	.0515	.0949	.0328
47	.261	.0030	.0029	.0008	.0417	.0769	.0266
48	.267	.0020	.0026	.0003	.0206	.0379	.0130
49	.272	.0027	.0027	.0007	.0478	.0880	.0304
50	.278	.0036	.0032	.0012	.1011	.1863	.0644
51	.283	.0031	.0031	.0010	.1044	.1924	.0665
52	.289	.0025	.0025	.0005	.0599	.1104	.0381
53	.294	.0021	.0021	.0000	.0000	.0000	.0000
54	.300	.0016	.0017	.0000	.0000	.0000	.0000
55	.306	.0016	.0015	.0000	.0000	.0000	.0000
56	.311	.0014	.0014	.0000	.0000	.0000	.0000
57	.317	.0014	.0014	.0000	.0000	.0000	.0000
58	.322	.0017	.0018	.0000	.0000	.0000	.0000
59	.328	.0026	.0025	.0004	.0004	.0007	.0002
60	.333	.0030	.0028	.0007	.0007	.0013	.0005



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 7/ 6/55 AV. T= 7.7 RECORD = JMC027
HOUR = 9 SIG.HGT. = 13.3 UPPER HGT. = 14.7
TOTAL DF =132 CORR. VAR. = 11.0 LOWER HGT. = 12.0
NOISE LEVEL = .0033 WIND SPEED = 20

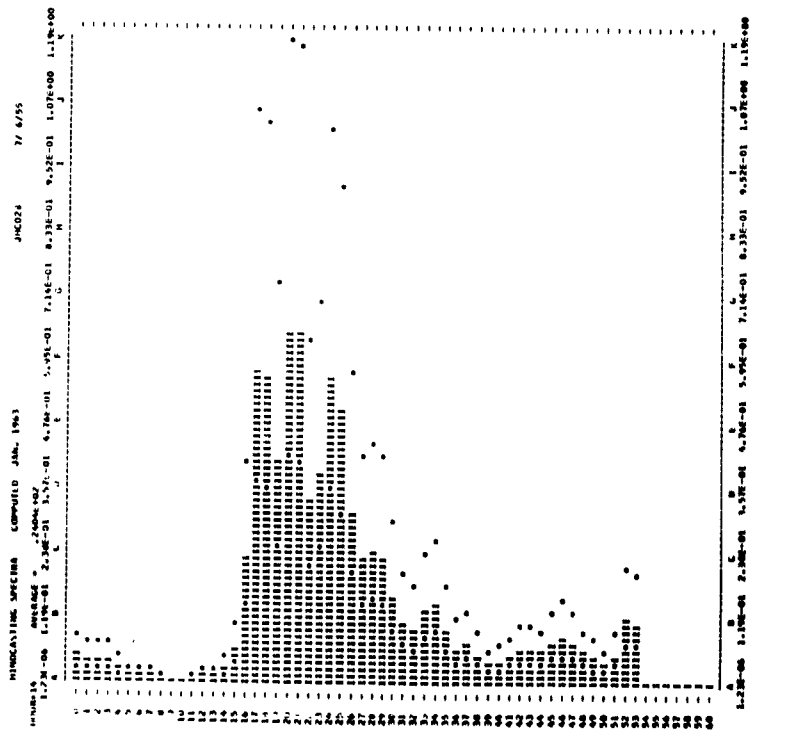
H	PRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0234	.0234	.0201	.0201	.0370	.0128
1	.006	.0284	.0284	.0251	.0251	.0442	.0160
2	.011	.0362	.0362	.0329	.0329	.0606	.0209
3	.017	.0383	.0383	.0350	.0350	.0648	.0223
4	.022	.0383	.0383	.0370	.0370	.0697	.0172
5	.028	.0156	.0156	.0123	.0123	.0226	.0078
6	.033	.0080	.0080	.0047	.0076	.0139	.0048
7	.039	.0066	.0066	.0033	.0049	.0083	.0029
8	.044	.0050	.0050	.0017	.0021	.0039	.0013
9	.050	.0047	.0047	.0014	.0016	.0030	.0010
10	.056	.0039	.0039	.0006	.0007	.0012	.0004
11	.061	.0052	.0052	.0019	.0021	.0039	.0013
12	.067	.0133	.0133	.0100	.0113	.0209	.0072
13	.072	.0332	.0332	.0299	.0365	.0636	.0220
14	.078	.1128	.1128	.1087	.1290	.2378	.0821
15	.083	.3643	.3643	.3610	.4902	1.2722	.4395
16	.089	1.2695	1.2695	1.2662	1.6264	2.9077	1.0396
17	.094	1.1722	1.1722	1.1689	1.7135	3.1582	1.0910
18	.100	.7855	.7855	.7822	1.0739	1.9793	.6838
19	.106	.5404	.5404	.5371	.8160	1.5040	.5196
20	.111	.4110	.4110	.4077	.6621	1.2204	.4216
21	.117	.2442	.2442	.2409	.4202	.7743	.2675
22	.122	.1649	.1649	.1616	.3062	.5607	.1937
23	.128	.1169	.1169	.1136	.2319	.4274	.1476
24	.133	.0729	.0729	.0696	.1548	.2852	.0985
25	.139	.0606	.0606	.0573	.1390	.2562	.0885
26	.144	.0680	.0680	.0647	.1731	.3191	.1102
27	.150	.0609	.0609	.0576	.1700	.3133	.1082
28	.156	.0629	.0629	.0596	.1950	.3594	.1241
29	.161	.0693	.0693	.0660	.2257	.4160	.1437
30	.167	.0537	.0537	.0504	.2051	.3780	.1306
31	.172	.0388	.0388	.0355	.1620	.2985	.1031
32	.178	.0326	.0326	.0293	.1507	.2779	.0960
33	.183	.0327	.0327	.0294	.1709	.3151	.1088
?	.189	.0279	.0279	.0246	.1625	.2996	.1035
35	.194	.0180	.0180	.0147	.1106	.2039	.0709
36	.200	.0159	.0159	.0126	.1086	.2002	.0691
37	.206	.0211	.0211	.0178	.1763	.3249	.1123
38	.211	.0213	.0213	.0180	.2058	.3793	.1310
39	.217	.0149	.0149	.0116	.1536	.2831	.0978
40	.222	.0093	.0106	.0073	.1126	.2076	.0717
41	.228	.0090	.0088	.0055	.0986	.1818	.0628
42	.233	.0079	.0071	.0038	.0803	.1479	.0511
43	.239	.0057	.0047	.0014	.0342	.0631	.0218
44	.244	.0055	.0041	.0008	.0221	.0407	.0141
45	.250	.0056	.0049	.0016	.0549	.1012	.0350
46	.256	.0049	.0047	.0014	.0571	.1052	.0364
47	.261	.0034	.0036	.0003	.0150	.0276	.0095
48	.267	.0028	.0030	.0000	.0000	.0000	.0000
49	.272	.0031	.0034	.0001	.0073	.0135	.0047
50	.278	.0047	.0044	.0011	.0011	.0020	.0007
51	.283	.0051	.0047	.0014	.0014	.0026	.0009
52	.289	.0041	.0042	.0009	.0009	.0016	.0006
53	.294	.0035	.0037	.0004	.0004	.0007	.0002
54	.300	.0037	.0036	.0003	.0003	.0006	.0002
55	.306	.0037	.0035	.0002	.0002	.0003	.0001
56	.311	.0028	.0030	.0000	.0000	.0000	.0000
57	.317	.0027	.0027	.0000	.0000	.0000	.0000
58	.322	.0028	.0027	.0000	.0000	.0000	.0000
59	.328	.0025	.0025	.0000	.0000	.0000	.0000
60	.333	.0024	.0024	.0000	.0000	.0000	.0000



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 7/ 6/55 AV. T= 6.6 RECORD = JMC028
HOUR = 14 SIG.HGT. = 11.3 UPPER HGT. = 12.2
TOTAL DF =217 CORR. VAR. = 8.0 LOWER HGT. = 10.5
NOISE LEVEL = .0018 WIND SPEED = 20

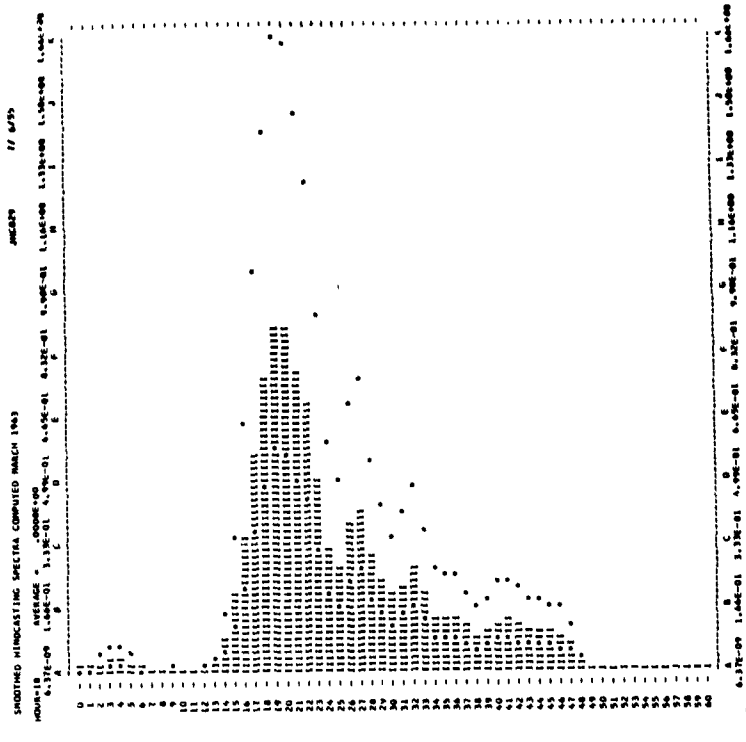
H	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0446	.0446	.0428	.0428	.0788	.0272
1	.006	.0401	.0401	.0383	.0383	.0706	.0244
2	.011	.0383	.0383	.0365	.0365	.0674	.0233
3	.017	.0384	.0384	.0366	.0366	.0674	.0233
4	.022	.0262	.0262	.0244	.0244	.0449	.0155
5	.028	.0134	.0134	.0116	.0116	.0213	.0074
6	.033	.0115	.0115	.0097	.0156	.0287	.0099
7	.039	.0098	.0098	.0080	.0110	.0202	.0070
8	.044	.0058	.0058	.0040	.0050	.0092	.0032
9	.050	.0033	.0033	.0015	.0017	.0031	.0011
10	.056	.0030	.0030	.0012	.0013	.0024	.0008
11	.061	.0067	.0067	.0049	.0055	.0101	.0035
12	.067	.0134	.0134	.0116	.0131	.0242	.0083
13	.072	.0110	.0110	.0092	.0106	.0196	.0068
14	.078	.0239	.0239	.0221	.0262	.0483	.0167
15	.083	.0472	.0472	.0454	.0559	.1029	.0356
16	.089	.1741	.1741	.1723	.2213	.4079	.1409
17	.094	.4256	.4256	.4238	.5724	1.0549	.3644
18	.100	.3955	.3955	.3937	.5621	1.0361	.3579
19	.106	.2660	.2660	.2642	.4015	.7399	.2556
20	.111	.3994	.3994	.3976	.6457	1.1902	.4112
21	.117	.3677	.3677	.3659	.6383	1.1766	.4066
22	.122	.1820	.1820	.1802	.3392	.6252	.2160
23	.128	.1897	.1897	.1879	.3836	.7070	.2442
24	.133	.2511	.2511	.2493	.5566	1.0222	.3531
25	.139	.2091	.2091	.2033	.4951	.9125	.3152
26	.144	.1176	.1176	.1158	.3100	.5714	.1974
27	.150	.0775	.0775	.0757	.2234	.4118	.1423
28	.156	.0753	.0753	.0735	.2403	.4433	.1532
29	.161	.0640	.0640	.0622	.2266	.4176	.1443
30	.167	.0468	.0468	.0390	.1588	.2927	.1011
31	.172	.0252	.0252	.0234	.1087	.1966	.0679
32	.178	.0208	.0208	.0190	.0979	.1805	.0624
33	.183	.0238	.0238	.0220	.1281	.2362	.0816
34	.189	.0236	.0218	.0218	.1446	.2662	.0920
35	.194	.0143	.0143	.0125	.0960	.1731	.0598
36	.200	.0098	.0090	.0072	.0620	.1143	.0395
37	.200	.0087	.0087	.0069	.0689	.1270	.0439
38	.211	.0066	.0066	.0048	.0532	.0980	.0339
39	.217	.0043	.0043	.0025	.0332	.0613	.0212
40	.222	.0060	.0042	.0024	.0365	.0672	.0232
41	.228	.0044	.0044	.0026	.0471	.0868	.0300
42	.233	.0049	.0046	.0028	.0585	.1078	.0372
43	.239	.0041	.0043	.0025	.0566	.1043	.0360
44	.244	.0038	.0038	.0018	.0536	.0988	.0341
45	.250	.0040	.0038	.0020	.0692	.1275	.0440
46	.256	.0040	.0038	.0020	.0814	.1501	.0518
47	.261	.0034	.0032	.0014	.0849	.1282	.0443
48	.267	.0028	.0027	.0009	.0567	.1008	.0348
49	.272	.0025	.0024	.0006	.0455	.0839	.0290
50	.278	.0020	.0022	.0004	.0325	.0598	.0207
51	.283	.0021	.0023	.0005	.0435	.0802	.0277
52	.289	.0030	.0027	.0009	.0913	.1681	.0581
53	.294	.0027	.0025	.0007	.1109	.2037	.0704
54	.300	.0019	.0017	.0000	.0000	.0000	.0000
55	.306	.0009	.0011	.0000	.0000	.0000	.0000
56	.311	.0011	.0012	.0000	.0000	.0000	.0000
57	.317	.0017	.0016	.0000	.0000	.0000	.0000
58	.322	.0018	.0017	.0000	.0000	.0000	.0000
59	.328	.0015	.0016	.0000	.0000	.0000	.0000
60	.333	.0019	.0019	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 7/ 6/55 AV. T= 6.9 RECORD = JMC030
HOUR = 18 SIG.HGT. = 12.8 UPPER HGT. = 13.9
TOTAL DP =200 CORR. VAR. = 10.3 LOWER HGT. = 11.8
NOISE LEVEL = .0046 WIND SPEED = 25

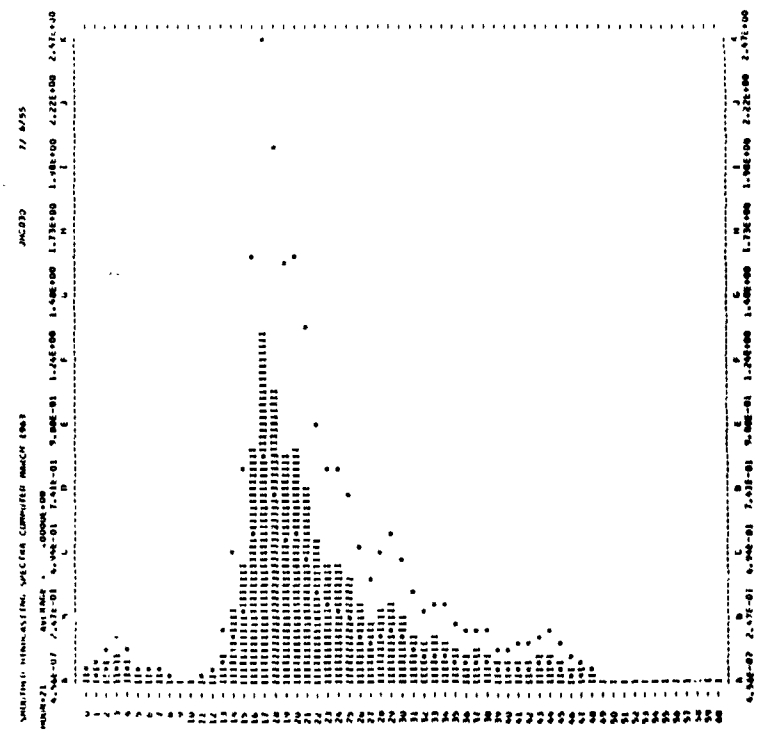
M	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0139	.0139	.0091	.0091	.0166	.0058
1	.006	.0178	.0178	.0138	.0138	.0260	.0065
2	.011	.0278	.0278	.0238	.0238	.0428	.0148
3	.017	.0376	.0376	.0336	.0336	.0601	.0208
4	.022	.0388	.0388	.0348	.0348	.0627	.0217
5	.028	.0278	.0278	.0238	.0238	.0424	.0144
6	.033	.0112	.0112	.0064	.0104	.0191	.0064
7	.039	.0042	.0042	.0000	.0000	.0000	.0000
8	.044	.0071	.0071	.0023	.0029	.0053	.0018
9	.050	.0093	.0093	.0045	.0053	.0096	.0034
10	.056	.0081	.0081	.0033	.0038	.0069	.0024
11	.061	.0067	.0067	.0019	.0022	.0040	.0014
12	.067	.0114	.0114	.0066	.0075	.0138	.0048
13	.072	.0234	.0234	.0186	.0213	.0396	.0137
14	.078	.0710	.0710	.0662	.0784	.1448	.0500
15	.083	.1623	.1623	.1575	.1938	.3572	.1234
16	.089	.2787	.2787	.2738	.3518	.6485	.2240
17	.094	.4269	.4269	.4201	.5673	1.0456	.3612
18	.100	.5621	.5621	.5573	.7671	1.4139	.4883
19	.106	.5988	.5988	.5940	.8025	1.4834	.5746
20	.111	.5529	.5529	.5481	.8902	1.6407	.5668
21	.117	.4977	.4977	.4929	.7901	1.4562	.5031
22	.122	.3762	.3762	.3714	.6993	1.2889	.4453
23	.128	.2514	.2514	.2466	.5034	.9279	.3206
24	.133	.1491	.1491	.1443	.3210	.5916	.2044
25	.139	.1166	.1166	.1118	.2722	.5018	.1733
26	.144	.1491	.1491	.1443	.3795	.6922	.2391
27	.150	.1440	.1440	.1392	.4110	.7575	.2617
28	.156	.0963	.0963	.0915	.2995	.5519	.1907
29	.161	.0696	.0696	.0648	.2353	.4336	.1498
30	.167	.0521	.0521	.0473	.1926	.3550	.1226
31	.172	.0538	.0538	.0490	.2237	.4124	.1425
32	.178	.0557	.0557	.0508	.2621	.4831	.1669
33	.183	.0365	.0365	.0345	.2008	.3701	.1279
34	.189	.0260	.0260	.0212	.1403	.2585	.0893
35	.194	.0228	.0228	.0180	.1357	.2502	.0864
36	.200	.0205	.0205	.0157	.1356	.2500	.0864
37	.206	.0161	.0161	.0113	.1121	.2067	.0714
38	.211	.0127	.0127	.0079	.0905	.1668	.0576
39	.217	.0123	.0123	.0075	.0996	.1836	.0634
40	.222	.0133	.0128	.0080	.1235	.2277	.0786
41	.228	.0123	.0119	.0071	.1285	.2368	.0818
42	.233	.0098	.0102	.0054	.1141	.2104	.0727
43	.239	.0089	.0089	.0042	.1033	.1903	.0657
44	.244	.0082	.0081	.0034	.0986	.1816	.0628
45	.250	.0073	.0074	.0027	.0925	.1705	.0589
46	.256	.0070	.0069	.0021	.0874	.1610	.0556
47	.261	.0063	.0061	.0016	.0673	.1240	.0428
48	.267	.0050	.0051	.0003	.0183	.0337	.0116
49	.272	.0041	.0043	.0000	.0000	.0000	.0000
50	.278	.0042	.0043	.0000	.0000	.0000	.0000
51	.283	.0057	.0055	.0007	.0007	.0013	.0005
52	.289	.0064	.0059	.0011	.0011	.0021	.0007
53	.294	.0052	.0057	.0009	.0009	.0017	.0006
54	.300	.0060	.0059	.0011	.0011	.0020	.0007
55	.306	.0063	.0056	.0008	.0008	.0015	.0005
56	.311	.0038	.0042	.0000	.0000	.0000	.0000
57	.317	.0031	.0034	.0000	.0000	.0000	.0000
58	.322	.0037	.0036	.0000	.0000	.0000	.0000
59	.328	.0039	.0039	.0000	.0000	.0000	.0000
60	.333	.0043	.0041	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 7/ 6/55 AV. T= 7.6 RECORD = JMC030
HOUR = 21 SIG.HGT. = 13.9 UPPER HGT. = 15.1
TOTAL DP =190 CORR. VAR. = 12.0 LOWER HGT. = 12.8
NOISE LEVEL = .0029 WIND SPEED = 25

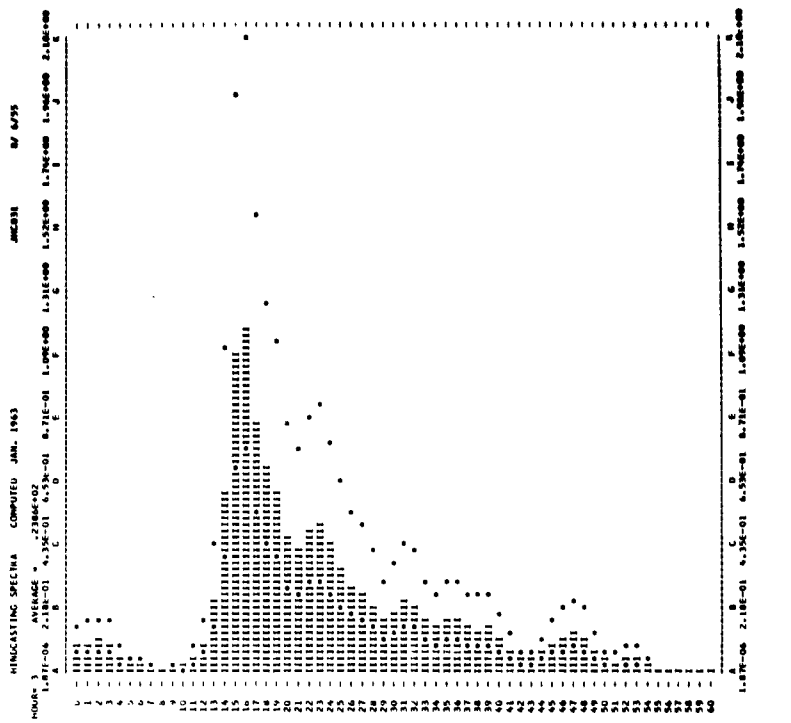
M	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0271	.0271	.0242	.0242	.0446	.0154
1	.006	.0402	.0402	.0373	.0373	.0687	.0237
2	.011	.0726	.0726	.0697	.0697	.1284	.0444
3	.017	.0969	.0969	.0940	.0940	.1732	.0598
4	.022	.0735	.0735	.0706	.0706	.1301	.0449
5	.028	.0288	.0288	.0259	.0259	.0477	.0165
6	.033	.0172	.0172	.0143	.0231	.0425	.0147
7	.039	.0202	.0202	.0173	.0237	.0437	.0151
8	.044	.0126	.0126	.0097	.0120	.0222	.0077
9	.050	.0053	.0053	.0026	.0028	.0051	.0018
10	.056	.0070	.0070	.0041	.0046	.0086	.0030
11	.061	.0129	.0129	.0100	.0113	.0208	.0072
12	.067	.0309	.0309	.0280	.0317	.0585	.0202
13	.072	.0972	.0972	.0943	.1089	.2006	.0693
14	.078	.2264	.2264	.2235	.2653	.4889	.1689
15	.083	.3605	.3605	.3576	.4400	.8109	.2801
16	.089	.4949	.4949	.4940	.5914	1.0430	.3676
17	.094	.9957	.9957	.9928	1.3406	2.4710	.8536
18	.100	.7868	.7868	.7839	1.1191	2.0627	.7126
19	.106	.5726	.5726	.5697	.8652	1.5943	.5509
20	.111	.5457	.5457	.5428	.8815	1.6244	.5613
21	.117	.4272	.4272	.4243	.7401	1.3641	.4713
22	.122	.2891	.2891	.2862	.5368	.9931	.3431
23	.128	.2228	.2228	.2199	.4489	.8273	.2858
24	.133	.2023	.2023	.1994	.4435	.8174	.2824
25	.139	.1640	.1640	.1611	.3922	.7229	.2497
26	.144	.1096	.1096	.1067	.2855	.5262	.1818
27	.150	.0775	.0775	.0746	.2202	.4058	.1402
28	.156	.0842	.0842	.0813	.2660	.4902	.1694
29	.161	.0858	.0858	.0829	.3018	.5562	.1922
30	.167	.0659	.0659	.0630	.2564	.4726	.1633
31	.172	.0429	.0429	.0400	.1825	.3364	.1162
32	.178	.0317	.0317	.0288	.1481	.2731	.0943
33	.183	.0310	.0310	.0281	.1634	.3011	.1040
34	.189	.0270	.0270	.0241	.1592	.2934	.1014
35	.194	.0198	.0198	.0169	.1277	.2344	.0810
36	.200	.0148	.0148	.0119	.1025	.1889	.0653
37	.206	.0143	.0143	.0114	.1128	.2079	.0718
38	.211	.0121	.0121	.0092	.1050	.1935	.0668
39	.217	.0080	.0090	.0051	.0873	.1241	.0429
40	.222	.0076	.0075	.0046	.0713	.1314	.0454
41	.228	.0070	.0070	.0041	.0738	.1360	.0470
42	.233	.0065	.0068	.0039	.0828	.1526	.0527
43	.239	.0074	.0069	.0040	.0949	.1841	.0634
44	.244	.0069	.0064	.0036	.1012	.1865	.0644
45	.250	.0051	.0062	.0023	.0808	.1490	.0515
46	.256	.0043	.0043	.0016	.0579	.1068	.0369
47	.261	.0036	.0037	.0008	.0408	.0751	.0259
48	.267	.0035	.0034	.0006	.0266	.0490	.0169
49	.272	.0024	.0027	.0000	.0000	.0000	.0000
50	.278	.0017	.0019	.0000	.0000	.0000	.0000
51	.283	.0014	.0017	.0000	.0000	.0000	.0000
52	.289	.0022	.0023	.0000	.0000	.0000	.0000
53	.294	.0033	.0029	.0000	.0000	.0000	.0000
54	.300	.0030	.0030	.0001	.0001	.0002	.0001
55	.306	.0029	.0030	.0001	.0001	.0002	.0001
56	.311	.0034	.0032	.0001	.0001	.0002	.0001
57	.317	.0033	.0033	.0002	.0002	.0004	.0001
58	.322	.0033	.0033	.0003	.0003	.0006	.0002
59	.328	.0032	.0032	.0003	.0003	.0005	.0002
60	.333	.0032	.0032	.0003	.0003	.0005	.0002



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 8/ 6/55 AV. T= 7.2 RECORD = JMC031
HOUR = 3 SIG.HGT. = 14.0 UPPER HGT. = 15.1
TOTAL OF =234 CORR. VAR. = 12.2 LOWER HGT. = 11.0
NOISE LEVEL = .0023 WIND SPEED = 20

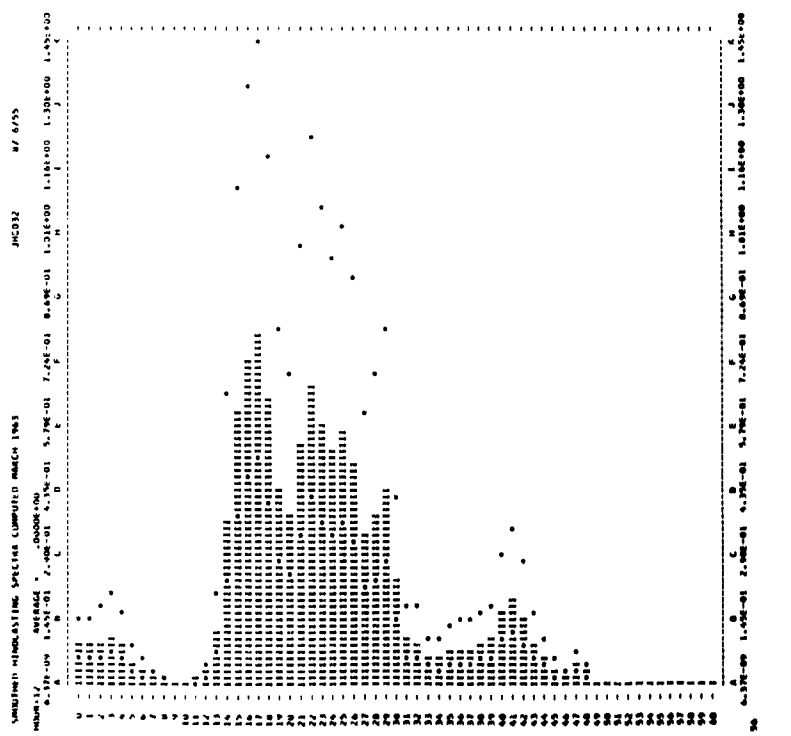
N	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0891	.0891	.0868	.0868	.1599	.0552
1	.006	.0929	.0928	.0906	.0906	.1649	.0577
2	.011	.1026	.1026	.1004	.1004	.1850	.0639
3	.017	.0915	.0915	.0892	.0892	.1644	.0568
4	.022	.0932	.0932	.0909	.0909	.0937	.0324
5	.028	.0275	.0275	.0252	.0252	.0464	.0160
6	.033	.0166	.0166	.0143	.0231	.0426	.0147
7	.039	.0084	.0084	.0061	.0084	.0155	.0054
8	.044	.0059	.0059	.0036	.0043	.0083	.0029
9	.050	.0096	.0096	.0073	.0088	.0187	.0064
10	.056	.0172	.0172	.0149	.0170	.0313	.0108
11	.061	.0427	.0427	.0404	.0456	.0841	.0291
12	.067	.0858	.0858	.0835	.0947	.1746	.0603
13	.072	.2082	.2082	.2059	.2377	.4381	.1514
14	.078	.5070	.5070	.5047	.5990	1.1041	.3814
15	.083	.8788	.8788	.8765	1.0785	1.9878	.6867
16	.089	.9216	.9216	.9193	1.1808	2.1765	.7519
17	.094	.6334	.6334	.6311	.8523	1.5709	.5427
18	.100	.4849	.4849	.4827	.6891	1.2701	.4388
19	.106	.4075	.4075	.4052	.6197	1.1348	.3920
20	.111	.2838	.2838	.2815	.4671	.8425	.2911
21	.117	.2394	.2394	.2371	.4136	.7622	.2633
22	.122	.2517	.2517	.2494	.4496	.8255	.2990
23	.128	.2446	.2446	.2423	.4947	.9114	.3150
24	.133	.1936	.1936	.1913	.4255	.7843	.2709
25	.139	.1485	.1485	.1462	.3559	.6560	.2266
26	.144	.1112	.1112	.1089	.2915	.5374	.1856
27	.150	.0935	.0935	.0912	.2692	.4962	.1716
28	.156	.0716	.0716	.0693	.2269	.4183	.1445
29	.161	.0488	.0488	.0465	.1695	.3124	.1079
30	.167	.0524	.0524	.0501	.2039	.3758	.1298
31	.172	.0544	.0544	.0521	.2377	.4381	.1514
32	.178	.0456	.0456	.0433	.2228	.4107	.1419
33	.183	.0315	.0315	.0292	.1701	.3136	.1083
34	.189	.0238	.0238	.0215	.1424	.2624	.0906
35	.194	.0247	.0247	.0224	.1687	.3109	.1074
36	.200	.0221	.0221	.0198	.1710	.3151	.1089
37	.206	.0167	.0167	.0144	.1427	.2630	.0909
38	.211	.0163	.0143	.0120	.1376	.2537	.0876
39	.217	.0130	.0130	.0107	.1420	.2617	.0904
40	.222	.0092	.0092	.0069	.1069	.1970	.0680
41	.228	.0059	.0059	.0036	.0653	.1204	.0416
42	.233	.0036	.0040	.0017	.0368	.0679	.0235
43	.239	.0035	.0039	.0016	.0392	.0722	.0249
44	.244	.0048	.0045	.0022	.0647	.1192	.0412
45	.250	.0048	.0049	.0026	.0904	.1667	.0576
46	.256	.0051	.0054	.0028	.1156	.2131	.0736
47	.261	.0053	.0040	.0027	.1333	.2457	.0849
48	.267	.0042	.0042	.0019	.1154	.2134	.0737
49	.272	.0032	.0033	.0010	.0722	.1330	.0459
50	.278	.0026	.0027	.0004	.0350	.0645	.0223
51	.283	.0025	.0026	.0003	.0302	.0556	.0192
52	.289	.0028	.0027	.0004	.0495	.0913	.0315
53	.294	.0026	.0026	.0003	.0460	.0848	.0293
54	.300	.0024	.0024	.0001	.0240	.0442	.0153
55	.306	.0024	.0023	.0000	.0001	.0001	.0000
56	.311	.0020	.0021	.0000	.0000	.0000	.0000
57	.317	.0017	.0019	.0000	.0000	.0000	.0000
58	.322	.0021	.0021	.0000	.0000	.0000	.0000
59	.328	.0023	.0022	.0000	.0000	.0000	.0000
60	.333	.0021	.0022	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 8/ 6/55 AV. T= 7.6 RECORD = JMC032
HOUR = 12 SIG.HGT. = 13.2 UPPER HGT. = 14.2
TOTAL OF =234 CORR. VAR. = 10.8 LOWER HGT. = 12.2
NOISE LEVEL = .0047 WIND SPEED = 25

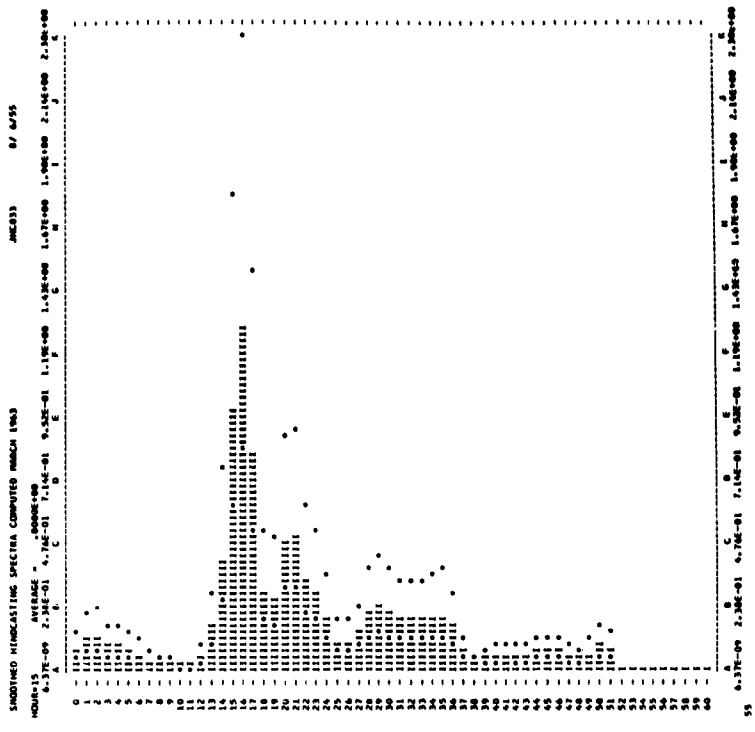
N	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0859	.0859	.0812	.0812	.1497	.0517
1	.006	.0868	.0868	.0821	.0821	.1514	.0523
2	.011	.0965	.0965	.0918	.0918	.1693	.0585
3	.017	.1114	.1114	.1067	.1067	.1967	.0680
4	.022	.0913	.0913	.0866	.0866	.1597	.0552
5	.028	.0492	.0492	.0445	.0445	.0821	.0284
6	.033	.0265	.0198	.0121	.0591	.0244	
7	.039	.0142	.0142	.0095	.0131	.0242	.0084
8	.044	.0094	.0094	.0047	.0059	.0109	.0038
9	.050	.0063	.0063	.0016	.0019	.0036	.0012
10	.056	.0075	.0075	.0028	.0032	.0060	.0021
11	.061	.0128	.0128	.0081	.0092	.0170	.0059
12	.067	.0264	.0264	.0217	.0247	.0455	.0157
13	.072	.0989	.0989	.0942	.1088	.2006	.0693
14	.078	.3052	.3052	.3005	.3567	.6575	.2272
15	.083	.4939	.4939	.4892	.6020	1.1095	.3833
16	.089	.5731	.5731	.5684	.7302	1.3458	.4649
17	.094	.5866	.5866	.5819	.7859	1.4485	.5004
18	.100	.4956	.4956	.4909	.6638	1.1866	.4099
19	.106	.2916	.2916	.2867	.4357	.8030	.2774
20	.111	.2366	.2366	.2319	.3787	.6942	.2399
21	.117	.3096	.3096	.3049	.5314	.9805	.3387
22	.122	.3597	.3597	.3550	.6685	1.2321	.4256
23	.128	.2879	.2879	.2832	.5782	1.0658	.3682
24	.133	.2393	.2393	.2346	.5219	.9620	.3323
25	.139	.2391	.2391	.2304	.5611	1.0342	.3573
26	.144	.1897	.1897	.1850	.4953	.9129	.3154
27	.150	.1720	.1720	.1723	.3317	.6113	.2112
28	.156	.1193	.1193	.1146	.3752	.6915	.2389
29	.161	.1244	.1244	.1197	.4360	.8037	.2776
30	.167	.0809	.0809	.0762	.2290	.4221	.1458
31	.172	.0259	.0259	.0212	.0970	.1788	.0618
32	.178	.0224	.0224	.0177	.0914	.1684	.0582
33	.183	.0146	.0146	.0099	.0579	.1067	.0368
34	.189	.0128	.0128	.0079	.0525	.0968	.0334
35	.194	.0149	.0149	.0098	.0762	.1368	.0473
36	.200	.0135	.0135	.0088	.0784	.1408	.0486
37	.206	.0129	.0129	.0078	.0778	.1436	.0495
38	.211	.0120	.0120	.0073	.0841	.1550	.0535
39	.217	.0118	.0118	.0071	.0948	.1747	.0604
40	.222	.0157	.0150	.0103	.1596	.2941	.1016
41	.228	.0168	.0141	.0104	.1877	.3459	.1195
42	.233	.0110	.0115	.0069	.1455	.2683	.0927
43	.239	.0074	.0082	.0035	.0874	.1611	.0557
44	.244	.0069	.0069	.0018	.0571	.1052	.0364
45	.250	.0052	.0059	.0008	.0285	.0526	.0182
46	.256	.0046	.0051	.0004	.0174	.0321	.0111
47	.261	.0039	.0039	.0009	.0431	.0794	.0274
48	.267	.0037	.0051	.0004	.0265	.0488	.0168
49	.272	.0031	.0037	.0000	.0000	.0000	.0000
50	.278	.0029	.0033	.0000	.0000	.0000	.0000
51	.283	.0042	.0041	.0000	.0000	.0000	.0000
52	.289	.0058	.0057	.0010	.0010	.0019	.0007
53	.294	.0070	.0069	.0018	.0016	.0030	.0010
54	.300	.0094	.0095	.0008	.0008	.0015	.0005
55	.306	.0061	.0045	.0000	.0000	.0000	.0000
56	.311	.0044	.0044	.0000	.0000	.0000	.0000
57	.317	.0049	.0047	.0000	.0000	.0000	.0000
58	.322	.0045	.0043	.0000	.0000	.0000	.0000
59	.328	.0034	.0036	.0000	.0000	.0000	.0000
60	.333	.0031	.0032	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 6/ 6/55 AV. T= 7.5 RECORD = JMC033
HOUR = 15 SIG.HGT. = 12.5 UPPER HGT. = 13.0
TOTAL DF =196 CORR. VAR. = 0.7 LOWER HGT. = 11.5
NOISE LEVEL = .0023 WIND SPEED = 29

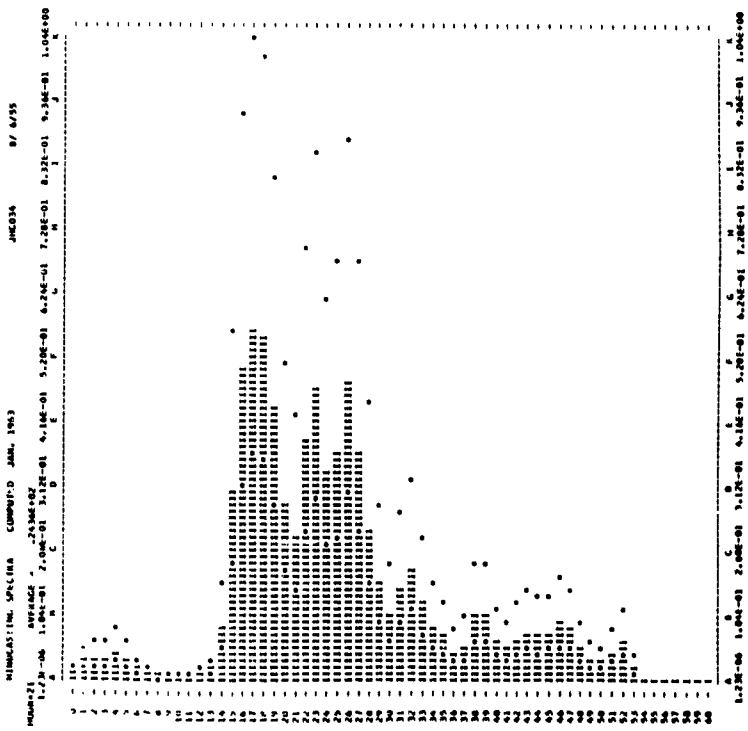
N	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0764	.0764	.0761	.0761	.1369	.0472
1	.006	.1200	.1200	.1177	.1177	.2169	.0740
2	.011	.1330	.1330	.1307	.1307	.2408	.0832
3	.017	.0908	.0908	.0889	.0889	.1630	.0563
4	.022	.0909	.0909	.0886	.0886	.1632	.0564
5	.028	.0772	.0772	.0749	.0749	.1380	.0477
6	.033	.0386	.0386	.0363	.0508	.1000	.0373
7	.039	.0268	.0268	.0245	.0136	.0620	.0214
8	.044	.0254	.0254	.0231	.0267	.0529	.0183
9	.050	.0202	.0202	.0179	.0210	.0367	.0134
10	.056	.0160	.0160	.0137	.0156	.0287	.0099
11	.061	.0199	.0199	.0136	.0153	.0282	.0098
12	.067	.0514	.0514	.0491	.0527	.1026	.0354
13	.072	.1419	.1419	.1396	.1612	.2970	.1026
14	.078	.3479	.3479	.3456	.4102	.7560	.2612
15	.083	.7913	.7913	.7890	.9707	1.7892	.6181
16	.089	1.0076	1.0076	1.0053	1.2913	2.3800	.8222
17	.094	.4871	.4871	.4848	.8167	1.5052	.5200
18	.100	.2018	.2018	.1995	.2848	.5249	.1813
19	.106	.1811	.1811	.1788	.2716	.5006	.1729
20	.111	.2989	.2989	.2966	.4816	.8877	.3067
21	.117	.2833	.2833	.2810	.4001	.9033	.3121
22	.122	.1809	.1809	.1782	.3394	.6183	.2136
23	.128	.1422	.1422	.1399	.2059	.5263	.1818
24	.133	.0919	.0919	.0896	.1992	.3672	.1268
25	.139	.0438	.0438	.0415	.1010	.1861	.0643
26	.144	.0386	.0386	.0363	.0971	.1789	.0618
27	.150	.0478	.0478	.0455	.1333	.2458	.0849
28	.156	.0451	.0451	.0428	.2894	.5786	.1988
29	.161	.0657	.0657	.0634	.2307	.4253	.1460
30	.167	.0821	.0821	.0498	.2826	.5734	.1290
31	.172	.0432	.0432	.0409	.1846	.3438	.1188
32	.178	.0382	.0382	.0389	.1847	.3403	.1176
33	.183	.0344	.0344	.0321	.1886	.3439	.1188
34	.189	.0316	.0316	.0293	.1935	.3567	.1232
35	.194	.0291	.0291	.0268	.2017	.3718	.1285
36	.200	.0207	.0207	.0184	.1585	.2922	.1009
37	.206	.0090	.0090	.0067	.0681	.1218	.0421
38	.211	.0061	.0061	.0018	.0202	.0372	.0128
39	.217	.0053	.0053	.0030	.0393	.0725	.0250
40	.222	.0068	.0059	.0036	.0557	.1027	.0359
41	.228	.0055	.0055	.0032	.0574	.1058	.0366
42	.233	.0046	.0047	.0024	.0499	.0919	.0318
43	.239	.0041	.0043	.0020	.0494	.0910	.0314
44	.244	.0045	.0044	.0021	.0605	.1116	.0385
45	.250	.0045	.0043	.0019	.0674	.1243	.0429
46	.256	.0036	.0038	.0015	.0606	.1117	.0386
47	.261	.0035	.0034	.0010	.0514	.0947	.0327
48	.267	.0029	.0031	.0007	.0438	.0808	.0279
49	.272	.0030	.0031	.0008	.0581	.1072	.0370
50	.278	.0037	.0034	.0011	.0920	.1696	.0586
51	.283	.0032	.0031	.0007	.0775	.1429	.0494
52	.289	.0022	.0023	.0000	.0016	.0030	.0010
53	.294	.0018	.0019	.0000	.0000	.0000	.0000
54	.300	.0017	.0017	.0000	.0000	.0000	.0000
55	.306	.0017	.0020	.0000	.0000	.0000	.0000
56	.311	.0026	.0029	.0005	.0005	.0010	.0003
57	.317	.0042	.0036	.0013	.0013	.0024	.0008
58	.322	.0033	.0030	.0007	.0007	.0013	.0005
59	.328	.0014	.0017	.0000	.0000	.0000	.0000
60	.333	.0008	.0011	.0000	.0000	.0000	.0000



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 6/ 6/55 AV. T= 6.8 RECORD = JMC034
HOUR = 21 SIG.HGT. = 11.2 UPPER HGT. = 12.0
TOTAL DF =241 CURR. VAR. = 7.8 LOWER HGT. = 10.4
NOISE LEVEL = .0022 WIND SPEED = 20

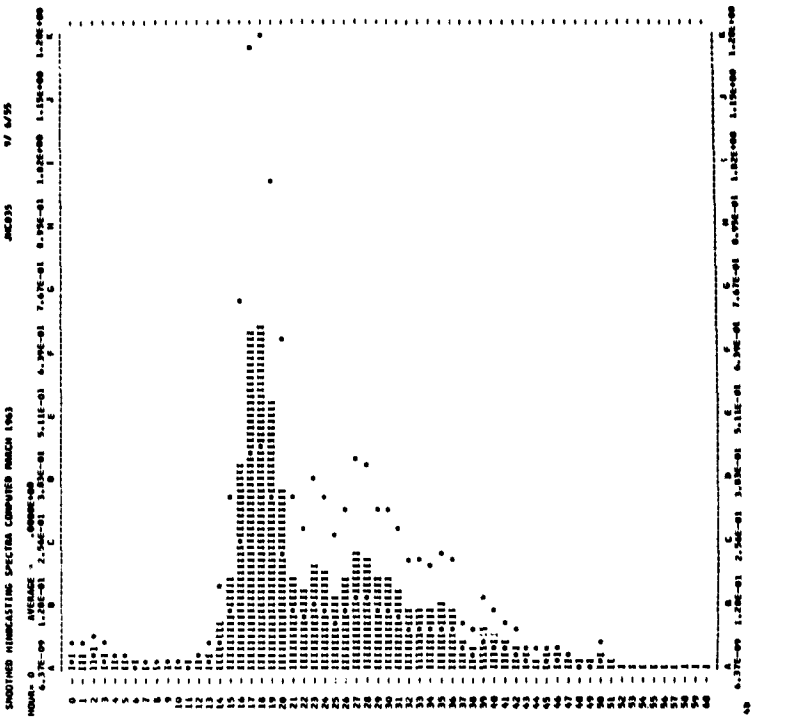
N	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0139	.0139	.0117	.0117	.0216	.0074
1	.006	.0285	.0285	.0263	.0263	.0485	.0168
2	.011	.0376	.0376	.0355	.0355	.0654	.0226
3	.017	.0361	.0361	.0339	.0339	.0626	.0216
4	.022	.0448	.0448	.0427	.0427	.0787	.0272
5	.028	.0334	.0334	.0313	.0313	.0577	.0199
6	.033	.0143	.0143	.0122	.0197	.0363	.0125
7	.039	.0095	.0095	.0074	.0101	.0186	.0064
8	.044	.0078	.0078	.0056	.0070	.0130	.0045
9	.050	.0062	.0067	.0040	.0047	.0087	.0030
10	.056	.0061	.0061	.0039	.0045	.0083	.0029
11	.061	.0067	.0067	.0046	.0052	.0095	.0033
12	.067	.0144	.0123	.0101	.0135	.0246	.0084
13	.072	.0182	.0160	.0139	.0185	.0341	.0118
14	.078	.0757	.0736	.0715	.0876	.1610	.0556
15	.083	.2474	.2453	.2432	.3018	.5562	.1921
16	.089	.3875	.3853	.3832	.4969	.9122	.3151
17	.094	.4198	.4177	.4156	.5640	1.0396	.3591
18	.100	.3866	.3845	.3824	.5435	1.0117	.3495
19	.106	.2901	.2901	.2879	.4376	.8062	.2785
20	.111	.1760	.1739	.1717	.2791	.5144	.1777
21	.117	.1337	.1337	.1315	.2294	.4229	.1461
22	.122	.2039	.2039	.2017	.3798	.7000	.2418
23	.128	.2289	.2289	.2268	.4630	.8533	.2948
24	.133	.1529	.1529	.1508	.3353	.6180	.2135
25	.139	.1517	.1517	.1496	.3642	.6713	.2319
26	.144	.1795	.1795	.1773	.4745	.8746	.3022
27	.150	.1270	.1270	.1249	.3686	.6794	.2347
28	.156	.0755	.0755	.0734	.2402	.4426	.1529
29	.161	.0436	.0436	.0414	.1508	.2779	.0960
30	.167	.0267	.0267	.0245	.0998	.1839	.0635
31	.172	.0341	.0341	.0319	.1496	.2684	.0927
32	.178	.0358	.0358	.0337	.1713	.3156	.1103
33	.183	.0230	.0209	.0188	.1216	.2238	.0773
34	.189	.0149	.0149	.0128	.0845	.1557	.0538
35	.194	.0113	.0113	.0091	.0690	.1271	.0439
36	.200	.0074	.0074	.0053	.0456	.0840	.0290
37	.206	.0078	.0078	.0056	.0568	.1032	.0357
38	.211	.0109	.0109	.0087	.0995	.1834	.0634
39	.217	.0096	.0096	.0075	.0989	.1823	.0630
40	.222	.0053	.0062	.0040	.0620	.1142	.0394
41	.228	.0049	.0049	.0027	.0501	.0923	.0319
42	.233	.0055	.0053	.0031	.0693	.1204	.0416
43	.239	.0056	.0052	.0031	.0766	.1408	.0487
44	.244	.0043	.0046	.0024	.0710	.1309	.0452
45	.250	.0041	.0043	.0021	.0742	.1368	.0473
46	.256	.0047	.0043	.0021	.0886	.1632	.0564
47	.261	.0037	.0037	.0016	.0787	.1451	.0501
48	.267	.0028	.0030	.0008	.0503	.0927	.0320
49	.272	.0026	.0026	.0004	.0321	.0592	.0204
50	.278	.0023	.0029	.0004	.0268	.0493	.0171
51	.283	.0026	.0026	.0004	.0437	.0806	.0278
52	.289	.0028	.0026	.0005	.0593	.1094	.0378
53	.294	.0023	.0023	.0001	.0222	.0409	.0141
54	.300	.0018	.0019	.0000	.0000	.0000	.0000
55	.306	.0018	.0018	.0000	.0000	.0000	.0000
56	.311	.0018	.0019	.0000	.0000	.0000	.0000
57	.317	.0022	.0021	.0000	.0000	.0000	.0000
58	.322	.0021	.0021	.0000	.0000	.0000	.0000
59	.328	.0020	.0021	.0000	.0000	.0000	.0000
60	.333	.0022	.0021	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 9/ 6/55 AV. T= 7.3 RECORD = JMC035
HOUR = 0 SIG.HGT. = 10.0 UPPER HGT. = 10.9
TOTAL DF =100 CORR. VAR. = 6.2 LOWER HGT. = 9.2
NOISE LEVEL = .0024 WIND SPEED = 15

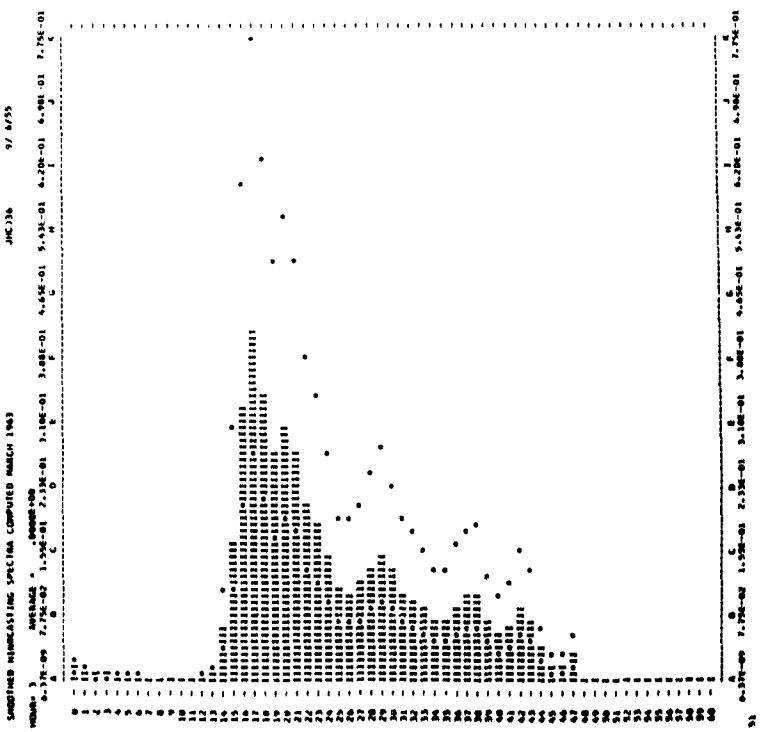
M	FRE. UNIT=FT.2	FILTERED -NOISE		CORR.FT.2	UPPER	LOWER
0	.000	.0294	.0294	.0270	.0270	.0497	.0172
1	.006	.0328	.0328	.0304	.0304	.0560	.0195
2	.011	.0362	.0362	.0336	.0336	.0622	.0215
3	.017	.0272	.0272	.0248	.0248	.0457	.0158
4	.022	.0179	.0179	.0155	.0155	.0286	.0099
5	.028	.0146	.0146	.0122	.0122	.0224	.0078
6	.033	.0089	.0089	.0061	.0098	.0161	.0062
7	.039	.0062	.0062	.0038	.0052	.0096	.0033
8	.044	.0066	.0066	.0042	.0052	.0096	.0033
9	.050	.0067	.0067	.0043	.0050	.0092	.0032
10	.056	.0072	.0072	.0048	.0054	.0100	.0035
11	.061	.0081	.0081	.0057	.0064	.0118	.0041
12	.067	.0124	.0124	.0100	.0115	.0208	.0072
13	.072	.0261	.0261	.0237	.0273	.0504	.0174
14	.078	.0764	.0764	.0740	.0878	.1618	.0559
15	.083	.1522	.1522	.1498	.1843	.3397	.1173
16	.089	.3180	.3180	.3156	.4084	.7471	.2581
17	.094	.5070	.5070	.5046	.6814	1.2559	.4339
18	.100	.4881	.4881	.4857	.6534	1.2780	.4413
19	.106	.3938	.3938	.3914	.5338	.9839	.3399
20	.111	.2247	.2247	.2223	.3610	.6657	.2299
21	.117	.1078	.1078	.1054	.1838	.3388	.1170
22	.122	.0825	.0825	.0801	.1508	.2779	.0960
23	.126	.1050	.1050	.1026	.2094	.3860	.1333
24	.133	.0863	.0863	.0839	.1866	.3439	.1188
25	.139	.0622	.0622	.0598	.1458	.2688	.0927
26	.144	.0672	.0672	.0648	.1734	.3198	.1104
27	.150	.0793	.0793	.0769	.2270	.4183	.1445
28	.156	.0700	.0700	.0676	.2211	.4076	.1408
29	.161	.0508	.0508	.0484	.1761	.3247	.1122
30	.167	.0458	.0458	.0434	.1766	.3255	.1124
31	.172	.0399	.0399	.0375	.1928	.2817	.0973
32	.178	.0251	.0251	.0227	.1167	.2152	.0743
33	.183	.0226	.0226	.0202	.1162	.2142	.0740
34	.189	.0192	.0192	.0168	.1109	.2045	.0706
35	.194	.0191	.0191	.0167	.1257	.2317	.0800
36	.200	.0199	.0199	.0175	.1163	.2144	.0741
37	.206	.0076	.0076	.0052	.0513	.0945	.0327
38	.211	.0060	.0060	.0036	.0408	.0754	.0260
39	.217	.0061	.0061	.0037	.0755	.1387	.0479
40	.222	.0065	.0065	.0041	.0636	.1172	.0405
41	.228	.0051	.0053	.0029	.0517	.0954	.0329
42	.233	.0045	.0043	.0018	.0390	.0719	.0248
43	.239	.0030	.0034	.0009	.0235	.0434	.0150
44	.244	.0030	.0030	.0006	.0185	.0337	.0116
45	.250	.0032	.0030	.0006	.0217	.0399	.0138
46	.256	.0028	.0029	.0005	.0196	.0361	.0125
47	.261	.0028	.0027	.0003	.0147	.0272	.0094
48	.267	.0025	.0025	.0001	.0073	.0134	.0046
49	.272	.0024	.0025	.0001	.0088	.0162	.0056
50	.278	.0029	.0027	.0003	.0258	.0475	.0164
51	.283	.0027	.0025	.0001	.0103	.0189	.0065
52	.289	.0016	.0019	.0000	.0000	.0000	.0000
53	.294	.0012	.0014	.0000	.0000	.0000	.0000
54	.300	.0014	.0017	.0000	.0000	.0000	.0003
55	.306	.0028	.0027	.0002	.0002	.0005	.0002
56	.311	.0037	.0033	.0009	.0009	.0017	.0006
57	.317	.0032	.0033	.0009	.0009	.0016	.0006
58	.322	.0031	.0030	.0005	.0003	.0010	.0003
59	.328	.0025	.0024	.0000	.0000	.0000	.0000
60	.333	.0016	.0020	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 9/ 6/55 AV. T= 6.9 RECORD = JMC036
HOUR = 3 SIG.HGT. = 8.6 UPPER HGT. = 9.3
TOTAL DF =226 CORR. VAR. = 4.6 LOWER HGT. = 8.0
NOISE LEVEL = .0013 WIND SPEED = 15

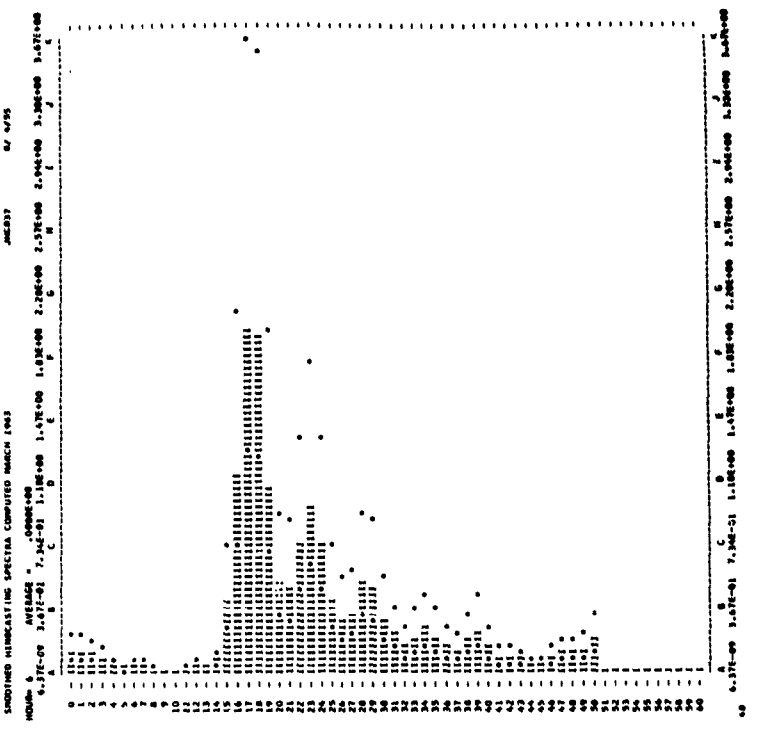
M	FRE. UNIT=FT.2	FILTERED -NOISE		CORR.FT.2	UPPER	LOWER
0	.000	.0132	.0132	.0119	.0119	.0220	.0076
1	.006	.0092	.0092	.0079	.0079	.0146	.0050
2	.011	.0065	.0065	.0052	.0052	.0096	.0033
3	.017	.0071	.0071	.0058	.0098	.0107	.0037
4	.022	.0048	.0048	.0035	.0035	.0065	.0022
5	.028	.0037	.0037	.0024	.0024	.0044	.0015
6	.033	.0033	.0033	.0020	.0033	.0060	.0021
7	.039	.0020	.0020	.0007	.0010	.0018	.0006
8	.044	.0017	.0017	.0004	.0009	.0009	.0003
9	.050	.0019	.0019	.0006	.0007	.0013	.0005
10	.056	.0013	.0013	.0000	.0000	.0000	.0000
11	.061	.0019	.0019	.0006	.0007	.0013	.0006
12	.067	.0042	.0042	.0029	.0033	.0061	.0021
13	.072	.0100	.0100	.0087	.0101	.0185	.0064
14	.078	.0513	.0513	.0500	.0594	.1094	.0378
15	.083	.1355	.1355	.1342	.1651	.3044	.1051
16	.089	.2535	.2535	.2522	.3240	.5971	.2063
17	.094	.3128	.3128	.3115	.4207	.7756	.2679
18	.100	.2404	.2404	.2391	.3414	.6292	.2174
19	.106	.1805	.1805	.1792	.2723	.5018	.1737
20	.111	.1869	.1869	.1856	.3019	.5564	.1919
21	.117	.1985	.1985	.1972	.2762	.5055	.1746
22	.122	.1119	.1119	.1106	.2083	.3839	.1326
23	.128	.0927	.0927	.0914	.1866	.3440	.1188
24	.133	.0670	.0670	.0657	.1462	.2694	.0931
25	.139	.0463	.0463	.0450	.1047	.1930	.0667
26	.144	.0401	.0401	.0388	.1039	.1915	.0661
27	.150	.0395	.0395	.0382	.1128	.2079	.0718
28	.156	.0425	.0425	.0412	.1349	.2486	.0859
29	.161	.0424	.0424	.0411	.1497	.2759	.0953
30	.167	.0328	.0328	.0315	.1283	.2365	.0817
31	.172	.0240	.0240	.0227	.1037	.1911	.0660
32	.178	.0197	.0197	.0184	.0948	.1747	.0604
33	.183	.0196	.0196	.0141	.0821	.1514	.0523
34	.189	.0118	.0118	.0105	.0695	.1281	.0443
35	.194	.0107	.0107	.0094	.0710	.1308	.0452
36	.200	.0113	.0113	.0100	.0866	.1593	.0550
37	.206	.0112	.0112	.0099	.0983	.1812	.0626
38	.211	.0101	.0101	.0088	.0969	.1859	.0642
39	.217	.0044	.0044	.0031	.0678	.1250	.0432
40	.222	.0038	.0047	.0034	.0528	.0970	.0335
41	.228	.0048	.0048	.0035	.0633	.1166	.0403
42	.233	.0038	.0052	.0039	.0821	.1512	.0523
43	.239	.0043	.0041	.0028	.0705	.1299	.0449
44	.244	.0021	.0025	.0012	.0356	.0656	.0227
45	.250	.0015	.0017	.0004	.0152	.0281	.0097
46	.256	.0018	.0017	.0004	.0181	.0334	.0115
47	.261	.0018	.0018	.0006	.0279	.0514	.0177
48	.267	.0020	.0021	.0008	.0008	.0015	.0005
49	.272	.0027	.0025	.0012	.0012	.0023	.0008
50	.278	.0027	.0025	.0013	.0013	.0023	.0008
51	.283	.0021	.0021	.0008	.0008	.0015	.0005
52	.289	.0015	.0016	.0003	.0003	.0005	.0002
53	.294	.0012	.0014	.0001	.0001	.0002	.0001
54	.300	.0017	.0016	.0004	.0004	.0007	.0002
55	.306	.0020	.0017	.0006	.0006	.0008	.0003
56	.311	.0012	.0013	.0000	.0000	.0000	.0000
57	.317	.0007	.0008	.0000	.0000	.0000	.0000
58	.322	.0008	.0008	.0000	.0000	.0000	.0000
59	.328	.0008	.0008	.0000	.0000	.0000	.0000
60	.333	.0007	.0007	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1983

DATE = 8/ 4/55 AV. T= 7.3 RECORD = JHC037
HOUR = 6 SIG.HGT. = 15.6 UPPER HGT. = 17.3
TOTAL DF =171 CORR. VAR. = 15.6 LOWER HGT. = 14.5
NOISE LEVEL = .0044 WIND SPEED = 25

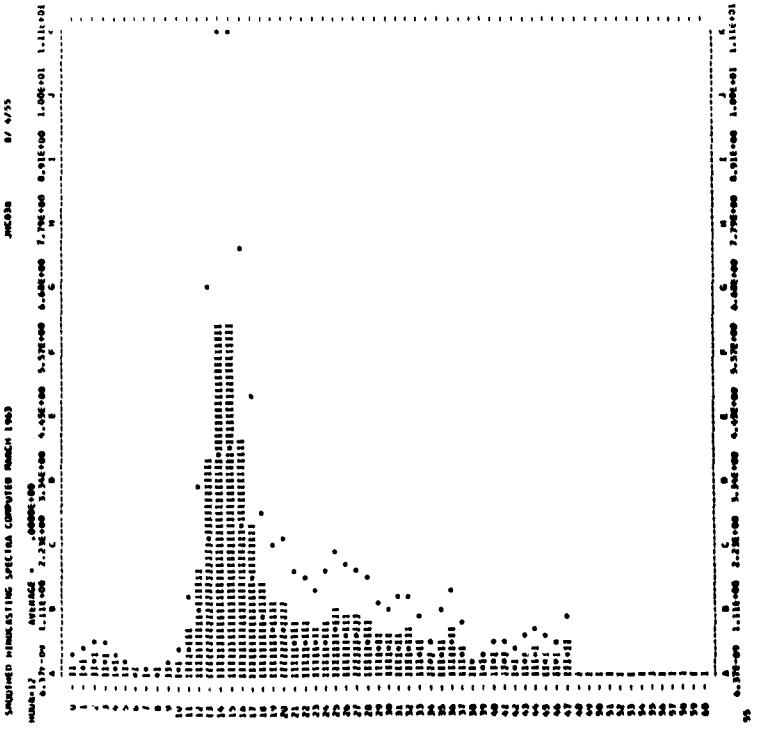
H	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1237	.1237	.1193	.1191	.2190	.0780
1	.006	.1174	.1174	.1132	.1130	.2083	.0720
2	.011	.1116	.1116	.1072	.1072	.1976	.0683
3	.017	.0928	.0928	.0894	.0894	.1648	.0569
4	.022	.0927	.0927	.0483	.0483	.0890	.0304
5	.028	.0795	.0795	.0211	.0211	.0389	.0134
6	.033	.0870	.0870	.0226	.0365	.0673	.0233
7	.039	.0270	.0270	.0226	.0311	.0573	.0198
8	.044	.0181	.0181	.0137	.0171	.0315	.0109
9	.050	.0124	.0124	.0088	.0094	.0173	.0060
10	.056	.0182	.0182	.0058	.0066	.0122	.0042
11	.061	.0144	.0144	.0100	.0113	.0208	.0072
12	.067	.0319	.0319	.0271	.0308	.0567	.0196
13	.072	.0300	.0300	.0256	.0296	.0545	.0188
14	.078	.0621	.0621	.0577	.0689	.1263	.0436
15	.083	.3214	.3214	.3178	.3981	.7188	.2684
16	.089	.8966	.8966	.8902	1.1638	2.1076	.7281
17	.094	1.4788	1.4788	1.4744	1.9918	3.6698	1.2678
18	.100	1.3773	1.3773	1.3729	1.9681	3.6128	1.2481
19	.106	.7104	.7104	.7060	1.0726	1.9770	.6830
20	.111	.3111	.3111	.3067	.4081	.7581	.2622
21	.117	.2008	.2008	.1964	.4808	.8861	.3061
22	.122	.3961	.3961	.3917	.7375	1.3594	.4696
23	.128	.4777	.4777	.4733	.9663	1.7810	.6153
24	.133	.3298	.3298	.3286	.7309	1.3472	.4654
25	.139	.1672	.1672	.1628	.3964	.7307	.2524
26	.144	.1139	.1139	.1095	.2931	.5402	.1866
27	.150	.1133	.1133	.1089	.3215	.5927	.2047
28	.156	.1594	.1594	.1550	.5073	.9350	.3230
29	.161	.1335	.1335	.1291	.4702	.8666	.2994
30	.167	.0757	.0757	.0713	.2903	.5351	.1849
31	.172	.0498	.0498	.0454	.2073	.3821	.1320
32	.178	.0315	.0315	.0271	.1396	.2573	.0889
33	.183	.0372	.0328	.0328	.1909	.3519	.1216
34	.189	.0417	.0417	.0373	.2468	.4548	.1571
35	.194	.0309	.0309	.0265	.1999	.3684	.1273
36	.200	.0204	.0204	.0160	.1382	.2548	.0880
37	.206	.0157	.0157	.0113	.1122	.2068	.0714
38	.211	.0193	.0193	.0149	.1707	.3146	.1087
39	.217	.0217	.0217	.0173	.2297	.4234	.1463
40	.222	.0122	.0134	.0090	.1594	.2939	.0888
41	.228	.0076	.0090	.0046	.0826	.1523	.0526
42	.233	.0085	.0078	.0035	.0731	.1347	.0465
43	.239	.0068	.0069	.0025	.0624	.1150	.0397
44	.244	.0055	.0058	.0015	.0429	.0791	.0273
45	.250	.0054	.0057	.0013	.0457	.0842	.0291
46	.256	.0061	.0061	.0018	.0731	.1346	.0465
47	.261	.0068	.0064	.0020	.1010	.1861	.0643
48	.267	.0068	.0061	.0017	.1018	.1877	.0648
49	.272	.0056	.0060	.0016	.1136	.2094	.0723
50	.278	.0067	.0064	.0020	.1744	.3252	.1123
51	.283	.0067	.0061	.0017	.0017	.0032	.0011
52	.289	.0062	.0060	.0005	.0005	.0009	.0003
53	.294	.0061	.0057	.0004	.0004	.0007	.0002
54	.300	.0065	.0057	.0013	.0013	.0024	.0008
55	.306	.0057	.0053	.0010	.0010	.0018	.0006
56	.311	.0035	.0041	.0000	.0000	.0000	.0000
57	.317	.0035	.0036	.0000	.0000	.0000	.0000
58	.322	.0040	.0037	.0000	.0000	.0000	.0000
59	.328	.0032	.0031	.0000	.0000	.0000	.0000
60	.333	.0021	.0026	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1983

DATE = 8/ 4/55 AV. T= 8.1 RECORD = JHC038
HOUR = 12 SIG.HGT. = 27.4 UPPER HGT. = 30.0
TOTAL DF =169 CORR. VAR. = 47.0 LOWER HGT. = 25.1
NOISE LEVEL = .0243 WIND SPEED = 40

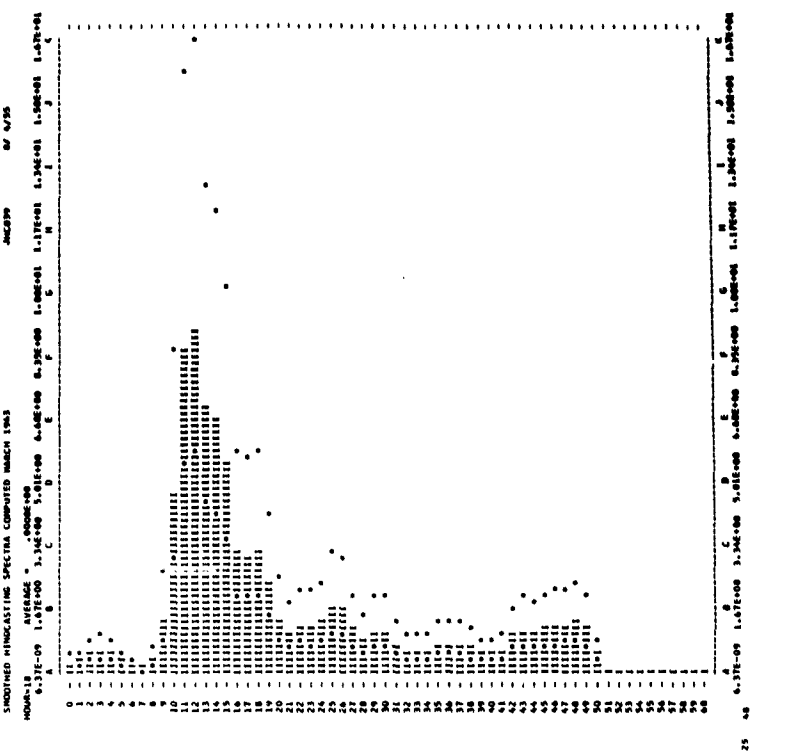
H	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1844	.1844	.1601	.1601	.2950	.1019
1	.006	.2613	.2613	.2370	.2370	.4368	.1509
2	.011	.3362	.3362	.3119	.3119	.5748	.1986
3	.017	.3036	.3036	.2793	.2793	.5147	.1778
4	.022	.2268	.2268	.2025	.2025	.3732	.1289
5	.028	.1406	.1406	.1263	.1263	.2291	.0791
6	.033	.0739	.0739	.0496	.0801	.1476	.0510
7	.039	.0575	.0575	.0332	.0456	.0840	.0290
8	.044	.0534	.0534	.0991	.0736	.1356	.0468
9	.050	.1303	.1303	.1160	.1339	.2468	.0852
10	.056	.2517	.2517	.2274	.2592	.4777	.1650
11	.061	.6746	.6746	.6503	.7362	1.3933	.4675
12	.067	1.5990	1.5990	1.5707	1.7816	3.2838	1.1344
13	.072	3.1878	3.1878	3.1635	3.4586	6.7324	2.3238
14	.078	5.1952	5.1952	5.1889	6.0310	11.1160	3.8402
15	.083	4.9364	4.9364	4.9101	6.0414	11.1351	3.8468
16	.089	3.1307	3.1307	3.1044	3.9981	7.3744	2.5457
17	.094	1.9430	1.9430	1.9177	2.5898	4.7731	1.6469
18	.100	1.0982	1.0982	1.0639	1.5189	2.7998	.9671
19	.106	.8140	.8140	.7897	1.1908	2.2113	.7639
20	.111	.7071	.7071	.7628	1.2388	2.2833	.7888
21	.117	.5061	.5061	.5418	.9651	1.7410	.6010
22	.122	.4942	.4942	.4699	.8847	1.6304	.5633
23	.128	.4194	.4194	.3951	.8066	1.4866	.5136
24	.133	.4463	.4220	.4220	.9388	1.7300	.5976
25	.139	.4904	.4904	.4703	1.1491	2.1180	.7251
26	.144	.4049	.4049	.3806	1.0186	1.8778	.6486
27	.150	.3580	.3580	.3337	.9851	1.8157	.6273
28	.156	.3887	.3887	.3644	.9306	1.7153	.5926
29	.161	.2079	.2079	.1836	.5685	1.2321	.4256
30	.167	.1779	.1779	.1536	.4753	1.1029	.3981
31	.172	.1821	.1821	.1578	.7203	1.5277	.4987
32	.178	.1687	.1687	.1444	.7434	1.5702	.4734
33	.183	.1302	.1302	.0959	.5979	1.0283	.3552
34	.189	.0733	.0733	.0492	.3752	.6993	.2371
35	.194	.1000	.1000	.0765	.5765	1.0626	.3671
36	.200	.1180	.1180	.0937	.8088	1.4907	.5130
37	.206	.0731	.0731	.0488	.4837	.8916	.3080
38	.211	.0948	.0948	.0105	.1198	.2210	.0764
39	.217	.0370	.0370	.0127	.1682	.3101	.1071
40	.222	.0486	.0437	.0194	.2993	.5516	.1906
41	.228	.0407	.0403	.0160	.2682	.5212	.1835
42	.233	.0311	.0307	.0114	.2402	.4427	.1529
43	.239	.0395	.0382	.0189	.3459	.6376	.2203
44	.244	.0427	.0395	.0152	.4478	.8238	.2846
45	.250	.0311	.0347	.0104	.3612	.6658	.2300
46	.256	.0299	.0317	.0074	.3068	.5655	.1954
47	.261	.0346	.0345	.0106	.3926	.7235	.2501
48	.267	.0411	.0381	.0138	.5196	.9576	.3308
49	.272	.0356	.0358	.0115	.0115	.0211	.0073
50	.278	.0308	.0325	.0082	.0082	.0152	.0052
51	.283	.0330	.0305	.0062	.0062	.0113	.0039
52	.289	.0251	.0292	.0049	.0049	.0091	.0032
53	.294	.0176	.0219	.0000	.0000	.0000	.0000
54	.300	.0275	.0276	.0033	.0033	.0061	.0021
55	.306	.0379	.0336	.0093	.0093	.0171	.0059
56	.311	.0311	.0298	.0055	.0055	.0102	.0035
57	.317	.0193	.0212	.0000	.0000	.0000	.0000
58	.322	.0193	.0169	.0000	.0000	.0000	.0000
59	.328	.0177	.0176	.0000	.0000	.0000	.0000
60	.333	.0198	.0187	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 8/ 4/55 AV. T= 9.7 RECORD = JHC039
HOUR = 18 SIG.HGT. = 37.3 UPPER HGT. = 40.4
TOTAL DF =203 CORR. VAR. = 86.8 LOWER HGT. = 34.4
NOISE LEVEL = .0292 WIND SPEED = 40

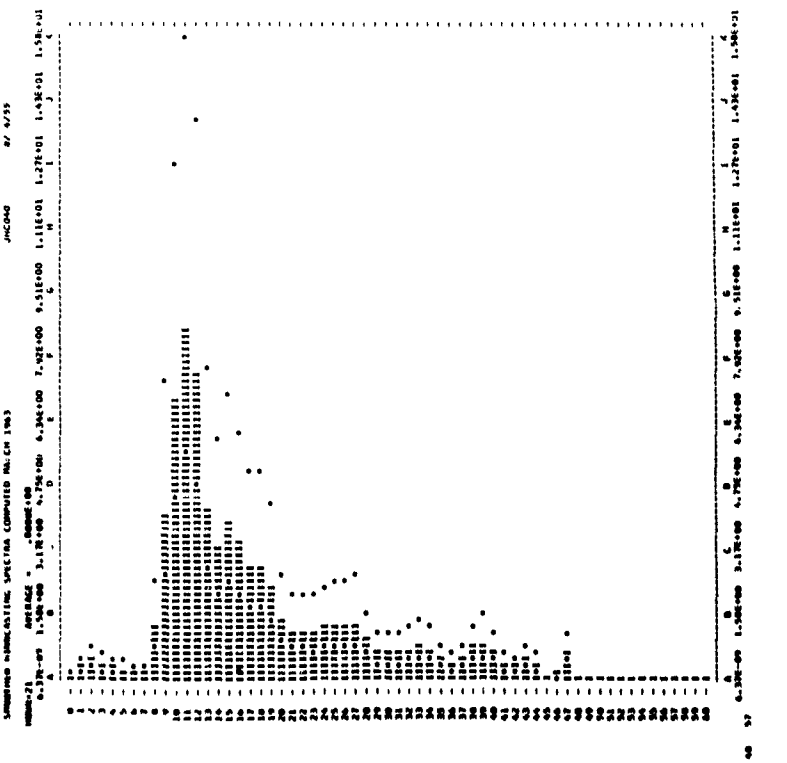
N	FRE. UNIT=FT.2	FILTERED -NOISE		CORR.FT.2	UPPER	LOWER
0	.000	.2903	.2903	.2341	.4318	.1491
1	.006	.3399	.3399	.3087	.5038	.1967
2	.011	.4662	.4662	.4418	.6828	.2808
3	.017	.5399	.5399	.5187	.7613	.3292
4	.022	.4588	.4588	.4383	.7031	.2740
5	.028	.2807	.2807	.2555	.4718	.1427
6	.033	.1369	.1369	.1117	.3027	.1149
7	.039	.1105	.1105	.0853	.1172	.0746
8	.044	.3099	.3099	.2847	.4585	.2297
9	.050	1.2236	1.2236	1.1984	1.4077	2.9963
10	.056	4.0860	4.0860	4.0588	4.4267	8.5276
11	.061	7.6401	7.6401	7.6149	8.9988	15.0476
12	.067	8.0128	8.0128	7.9876	9.0684	16.6986
13	.072	6.0743	6.0743	6.0491	6.9849	12.8742
14	.078	5.6104	5.6104	5.5852	6.4297	12.2196
15	.083	4.5512	4.5512	4.5260	5.5688	10.2642
16	.089	2.4762	2.4762	2.4510	3.1483	5.8029
17	.094	2.2803	2.2803	2.2551	3.0483	5.6130
18	.100	2.2696	2.2696	2.2444	3.2844	5.9961
19	.106	1.9345	1.9345	1.9093	2.2931	4.2288
20	.111	.8704	.8704	.8452	1.3727	2.9301
21	.117	.5823	.5823	.5571	.9718	1.7913
22	.122	.6579	.6579	.6327	1.1413	2.1997
23	.128	.5800	.5800	.5548	1.1327	2.0877
24	.133	.5981	.5981	.5729	1.2744	2.3488
25	.139	.7269	.7269	.6993	1.7028	3.1389
26	.144	.6262	.6262	.6010	1.6036	2.9568
27	.150	.5975	.5975	.5723	1.6992	2.8260
28	.156	.2771	.2771	.2519	.8264	1.5195
29	.161	.3176	.3176	.2924	1.0648	1.9626
30	.167	.2894	.2894	.2642	1.0595	1.9528
31	.172	.1762	.1762	.1510	.6.95	1.2708
32	.178	.1379	.1379	.1127	.5804	1.0698
33	.183	.1150	.1150	.0898	.5827	.9634
34	.189	.1122	.1122	.0870	.5739	1.0608
35	.194	.1174	.1174	.0922	.6952	1.2814
36	.200	.1076	.1076	.0824	.7116	1.3116
37	.206	.1009	.1009	.0757	.7509	1.3841
38	.211	.0795	.0795	.0543	.6218	1.1460
39	.217	.0623	.0623	.0371	.4926	.9079
40	.222	.0496	.0530	.0279	.4299	.7924
41	.228	.0907	.0971	.0319	.5794	1.0605
42	.233	.0779	.0691	.0439	.9271	1.7089
43	.239	.0707	.0687	.0435	1.0810	1.9924
44	.244	.0559	.0606	.0354	1.0405	1.9177
45	.250	.0600	.0569	.0317	1.1042	2.0352
46	.256	.0517	.0526	.0274	1.1377	2.0969
47	.261	.0471	.0490	.0238	1.1803	2.1755
48	.267	.0501	.0472	.0221	1.3123	2.4188
49	.272	.0417	.0408	.0157	1.1214	2.0669
50	.278	.0299	.0308	.0056	.4890	.9014
51	.283	.0218	.0235	.0000	.0000	.0000
52	.289	.0206	.0206	.0000	.0000	.0000
53	.294	.0196	.0198	.0000	.0000	.0000
54	.300	.0193	.0212	.0000	.0000	.0000
55	.306	.0266	.0265	.0013	.0013	.0024
56	.311	.0334	.0315	.0064	.0064	.0117
57	.317	.0328	.0311	.0059	.0059	.0110
58	.322	.0295	.0269	.0017	.0017	.0032
59	.328	.0238	.0251	.0000	.0000	.0000
60	.333	.0272	.0295	.0003	.0003	.0006



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 8/ 4/55 AV. T= 9.1 RECORD = JHC040
HOUR = 21 SIG.HGT. = 34.1 UPPER HGT. = 37.1
TOTAL DF =184 CORR. VAR. = 72.8 LOWER HGT. = 31.3
NOISE LEVEL = .0321 WIND SPEED = 29

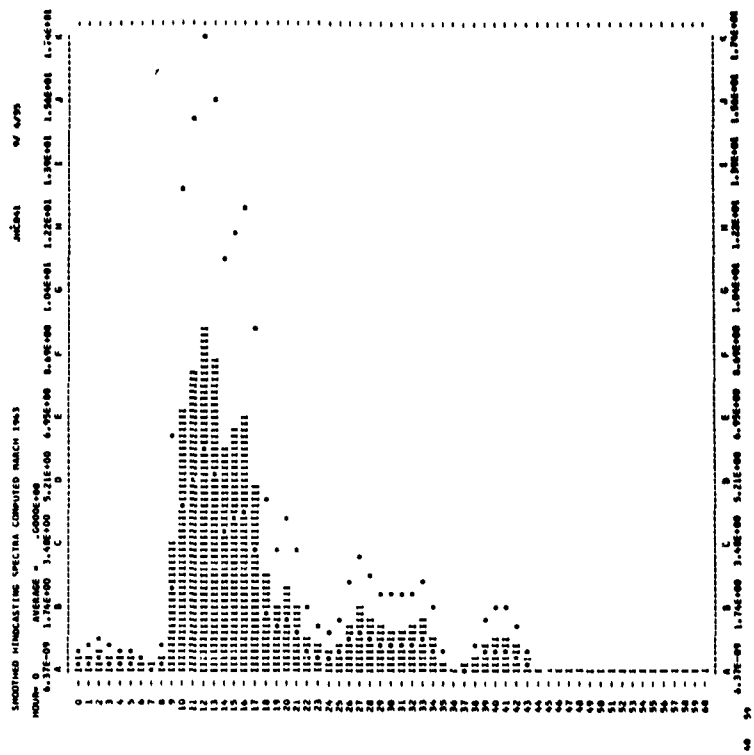
N	FRE. UNIT=FT.2	FILTERED -NOISE		CORR.FT.2	UPPER	LOWER
0	.000	.0971	.0971	.0650	.0650	.1198
1	.006	.2816	.2816	.2495	.4598	.1949
2	.011	.4972	.4972	.4651	.8572	.2961
3	.017	.3925	.3925	.3604	.6643	.2295
4	.022	.2964	.2964	.2643	.4871	.1683
5	.028	.2456	.2456	.2335	.4304	.1487
6	.033	.1574	.1574	.1253	.2024	.3731
7	.039	.1759	.1759	.1438	.1976	.3641
8	.044	1.0426	1.0426	1.0105	1.2583	2.3192
9	.050	3.4327	3.4327	3.4006	3.9963	7.3621
10	.056	6.0440	6.0440	6.0119	6.8530	12.6310
11	.061	7.6443	7.6443	7.6122	8.5949	15.8417
12	.067	6.6318	6.6318	6.5997	7.4860	13.7979
13	.072	3.6137	3.6172	3.5811	4.1351	7.6216
14	.078	2.6941	2.6941	2.6620	3.1598	5.8239
15	.083	3.1230	3.1230	3.0909	3.8030	7.0095
16	.089	2.5945	2.5945	2.5624	3.2914	6.0665
17	.094	2.0482	2.0482	2.0161	2.7225	5.0180
18	.100	1.9601	1.9601	1.9280	2.7526	5.0734
19	.106	1.5327	1.5327	1.5006	2.2798	4.2021
20	.111	.8759	.8759	.8438	1.3706	2.5258
21	.117	.6839	.6839	.6518	1.1370	2.0956
22	.122	.6456	.6456	.6133	1.1567	2.1283
23	.128	.5704	.5704	.5383	1.0989	2.0255
24	.133	.5868	.5868	.5547	1.2338	2.2741
25	.139	.5992	.5992	.5671	1.2834	2.3659
26	.144	.5155	.5155	.4834	1.2938	2.3847
27	.150	.4860	.4860	.4539	1.3400	2.4699
28	.156	.3054	.3054	.2733	.8943	1.6484
29	.161	.1903	.1903	.1582	.5760	1.0617
30	.167	.1825	.1825	.1504	.6123	1.1286
31	.172	.1562	.1562	.1241	.5665	1.0442
32	.178	.1602	.1602	.1281	.6595	1.2156
33	.183	.1608	.1608	.1287	.7688	1.3802
34	.189	.1362	.1362	.1041	.6884	1.2688
35	.194	.0924	.0924	.0603	.4545	.8377
36	.200	.0690	.0690	.0369	.3185	.5870
37	.206	.0796	.0796	.0475	.4710	.8680
38	.211	.0948	.0948	.0627	.7175	1.3225
39	.217	.0944	.0944	.0623	.8265	1.5234
40	.222	.0748	.0729	.0408	.6292	1.1596
41	.228	.0676	.0527	.0206	.3713	.6843
42	.233	.0609	.0682	.0161	.2976	.5482
43	.239	.0954	.0501	.0180	.4468	.8233
44	.244	.0687	.0641	.0120	.3912	.6473
45	.250	.0315	.0317	.0000	.0000	.0000
46	.256	.0311	.0348	.0019	.0804	.1482
47	.261	.0501	.0458	.0128	.0611	1.1017
48	.267	.0461	.0507	.0186	.0186	.0342
49	.272	.0566	.0544	.0224	.0224	.0412
50	.278	.0578	.0528	.0207	.0207	.0382
51	.283	.0398	.0423	.0102	.0102	.0189
52	.289	.0520	.0544	.0224	.0081	.0148
53	.294	.0422	.0439	.0118	.0118	.0217
54	.300	.0592	.0531	.0210	.0210	.0387
55	.306	.0519	.0464	.0143	.0143	.0263
56	.311	.0267	.0295	.0000	.0000	.0000
57	.317	.0127	.0186	.0000	.0000	.0000
58	.322	.0197	.0198	.0000	.0000	.0000
59	.328	.0189	.0183	.0000	.0000	.0000
60	.333	.0197	.0191	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 9/ 4/55 AV. T= 9.5 RECORD = JMC041
HOUR = 0 SIG.HGT. = 36.2 UPPER HGT. = 41.7
TOTAL OF =171 CORR. VAR. = 91.0 LOWER HGT. = 34.9
NOISE LEVEL = .0020 WIND SPEED = 40

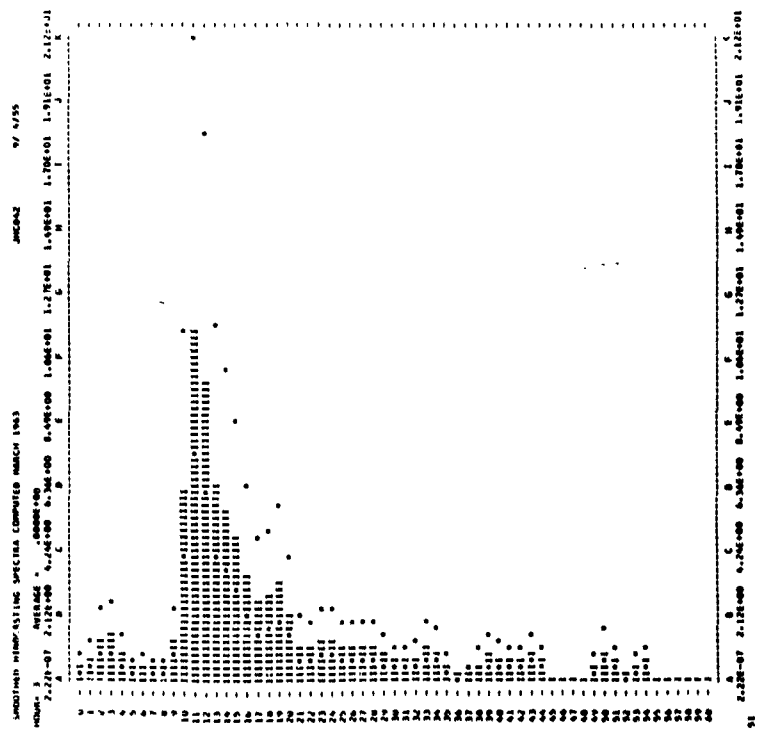
N	FRQ.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.3434	.3434	.3986	.3986	.3986	.1898
1	.006	.4090	.4090	.3962	.3562	.0560	.2268
2	.011	.4907	.4907	.4490	.4490	.0219	.2839
3	.017	.4401	.4401	.3913	.3913	.7211	.2682
4	.022	.3908	.3908	.3678	.3678	.5659	.1998
5	.028	.3822	.3822	.3644	.3644	.4966	.1715
6	.033	.1952	.1952	.1464	.2301	.4261	.1465
7	.039	.1190	.1190	.0842	.0810	.1677	.0879
8	.044	.3898	.3898	.3878	.3823	.7704	.2434
9	.050	3.8240	3.8240	2.8781	3.4918	6.4218	2.2229
10	.056	6.9816	6.9816	6.2488	7.1230	13.1288	4.9355
11	.061	7.2868	7.2868	7.2328	8.1657	15.0985	5.1994
12	.067	8.3666	8.3666	8.3138	9.4383	17.3815	6.0067
13	.072	7.4284	7.4284	7.3676	8.3874	15.6883	5.4178
14	.078	9.2825	9.2825	9.1497	6.1127	11.2666	3.8922
15	.083	9.3548	9.3548	9.3026	6.9236	12.8239	4.1338
16	.089	9.4198	9.4198	9.3682	6.8878	12.6591	4.3897
17	.094	5.8398	5.8398	5.7867	5.1136	9.4251	3.2560
18	.100	3.8369	3.8369	3.7861	2.9472	4.6940	1.6219
19	.106	3.2346	3.2346	3.1712	1.7706	3.2797	1.1330
20	.111	3.4507	3.4507	3.4068	2.2858	4.2115	1.4549
21	.117	3.9686	3.9686	3.9158	3.7720	3.2660	1.1283
22	.122	.9520	.9520	.4992	.9399	1.7324	.5986
23	.128	.3862	.3862	.3516	.6786	1.2470	.4308
24	.133	.3243	.3243	.2715	.6039	1.1131	.3845
25	.139	.3578	.3578	.3098	.7427	1.3688	.4729
26	.144	.5398	.5398	.4882	1.2906	2.3788	.8218
27	.150	.6264	.6264	.5716	1.6875	3.1106	1.0745
28	.156	.4970	.4970	.4442	1.4537	2.6793	.9256
29	.161	.3656	.3656	.3128	1.1390	2.0994	.7253
30	.167	.3298	.3298	.2770	1.1278	2.0787	.7181
31	.172	.2934	.2934	.2460	1.0988	2.0246	.6994
32	.178	.2805	.2805	.2777	1.1725	2.1610	.7468
33	.183	.2822	.2822	.2294	1.3349	2.4604	.8500
34	.189	.1899	.1899	.1371	.9068	1.6713	.5774
35	.194	.0860	.0860	.0332	.2503	.4614	.1594
36	.200	.0524	.0524	.0000	.0000	.0000	.0000
37	.206	.0619	.0619	.0091	.0903	.1664	.0575
38	.211	.0893	.0893	.0365	.4178	.7701	.2661
39	.217	.1116	.1116	.0588	.7803	1.4382	.4968
40	.222	.1184	.1134	.0607	.9356	1.7244	.5957
41	.228	.1054	.1029	.0501	.9819	1.6624	.5743
42	.233	.0823	.0828	.0301	.6344	1.1693	.4040
43	.239	.0616	.0640	.0112	.2777	.5118	.1768
44	.244	.0568	.0538	.0010	.0295	.0544	.0188
45	.250	.0522	.0516	.0000	.0000	.0000	.0000
46	.256	.0513	.0497	.0000	.0000	.0000	.0000
47	.261	.0462	.0438	.0000	.0000	.0000	.0000
48	.267	.0394	.0368	.0000	.0000	.0000	.0000
49	.272	.0321	.0376	.0000	.0000	.0000	.0000
50	.278	.0509	.0477	.0000	.0000	.0000	.0000
51	.283	.0570	.0520	.0000	.0000	.0000	.0000
52	.289	.0432	.0405	.0000	.0000	.0000	.0000
53	.294	.0428	.0452	.0000	.0000	.0000	.0000
54	.300	.0520	.0488	.0000	.0000	.0000	.0000
55	.306	.0486	.0491	.0000	.0000	.0000	.0000
56	.311	.0471	.0523	.0000	.0000	.0000	.0000
57	.317	.0465	.0618	.0091	.0091	.0167	.0058
58	.322	.0473	.0636	.0108	.0108	.0199	.0069
59	.328	.0532	.0562	.0035	.0035	.0064	.0022
60	.333	.0513	.0522	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 9/ 4/55 AV. T= 8.4 RECORD = JMC042
HOUR = 3 SIG.HGT. = 37.4 UPPER HGT. = 40.7
TOTAL OF =179 CORR. VAR. = 87.2 LOWER HGT. = 34.3
NOISE LEVEL = .0300 WIND SPEED = 40

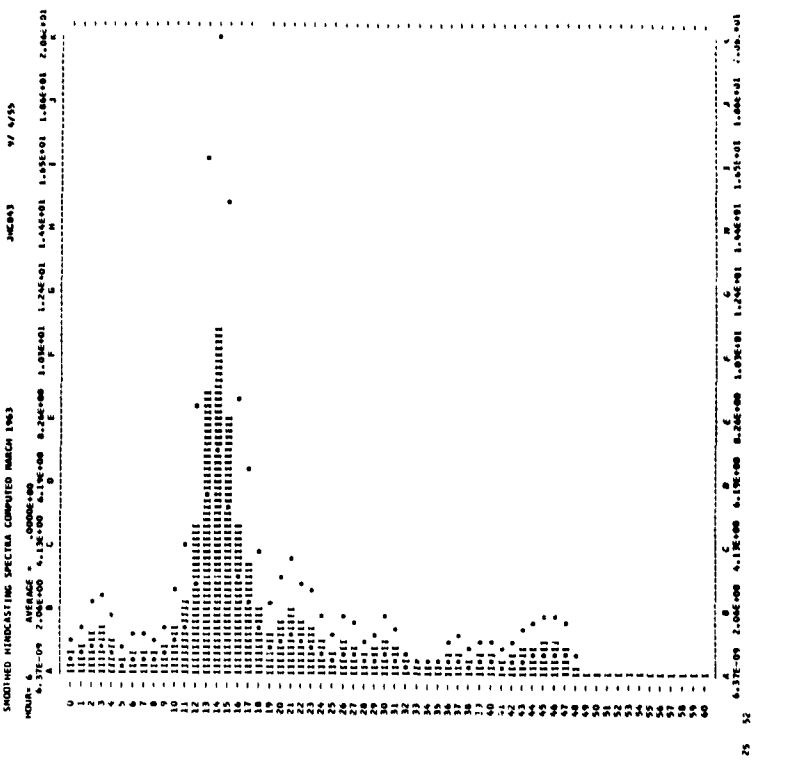
N	FRQ.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.4768	.4768	.4368	.4368	.8050	.2781
1	.006	.7105	.7105	.6725	.6725	1.2396	.4282
2	.011	1.1376	1.1376	1.0996	1.0996	2.0269	.8273
3	.017	1.4627	1.4627	1.4247	1.4247	2.6256	.9071
4	.022	.7899	.7899	.7519	.7519	1.3858	.4787
5	.028	.3665	.3665	.3285	.3285	.6054	.2091
6	.033	.3492	.3492	.3112	.5027	.9266	.3201
7	.039	.2699	.2699	.2319	.3186	.5872	.2028
8	.044	.3099	.3099	.2719	.3385	.6239	.2155
9	.050	1.1461	1.1461	1.1081	1.3018	2.3989	.8287
10	.056	5.5123	5.5123	5.4743	6.2401	11.5016	3.9733
11	.061	10.2326	10.2326	10.1946	11.5107	21.2159	7.3295
12	.067	8.6473	8.6473	8.6093	9.7655	17.9992	6.2181
13	.072	5.5467	5.5467	5.5087	6.3608	11.7240	4.0502
14	.078	4.8872	4.8872	4.8492	5.5109	10.1719	3.5139
15	.083	3.7520	3.7520	3.7140	4.3696	8.4725	2.9057
16	.089	2.7314	2.7314	2.6934	3.4596	6.3766	2.2028
17	.094	1.8858	1.8858	1.8478	2.4961	4.5978	1.5981
18	.100	1.9033	1.9033	1.8653	2.6630	4.9083	1.6957
19	.106	2.0988	2.0988	2.0608	3.1309	5.7707	1.9936
20	.111	1.8857	1.8857	1.8477	2.1687	4.0341	1.3936
21	.117	.6928	.6928	.6548	1.1422	2.1052	.7273
22	.122	.5920	.5920	.5540	1.0438	1.9234	.6641
23	.128	.6707	.6707	.6327	1.2916	2.3805	.8224
24	.133	.6170	.6170	.5790	1.2878	2.3735	.8200
25	.139	.4841	.4841	.4461	1.0861	2.0018	.6916
26	.144	.4144	.4144	.3764	1.0073	1.8566	.6414
27	.150	.3808	.3808	.3428	1.0093	1.8604	.6428
28	.156	.3468	.3468	.3088	1.0104	1.8623	.6434
29	.161	.2595	.2595	.2215	.8064	1.4863	.5135
30	.167	.1738	.1738	.1358	.5527	1.0187	.3519
31	.172	.1598	.1598	.1178	.5176	.9909	.3423
32	.178	.1816	.1816	.1436	.7392	1.3624	.4706
33	.183	.2178	.2178	.1798	1.0460	1.9279	.6660
34	.189	.1819	.1819	.1439	.9716	1.7535	.6058
35	.194	.0944	.0944	.0564	.4268	.7870	.2719
36	.200	.0586	.0586	.0126	.1084	.1998	.0690
37	.206	.0577	.0577	.0197	.1949	.3592	.1241
38	.211	.0839	.0839	.0459	.5268	.9673	.3342
39	.217	.0978	.0978	.0598	.7929	1.4614	.5048
40	.222	.0899	.0833	.0453	.6984	1.2872	.4447
41	.228	.0837	.0698	.0309	.5578	1.0286	.3553
42	.233	.0626	.0677	.0297	.6289	1.1597	.3981
43	.239	.0819	.0718	.0338	.8383	1.5461	.5338
44	.244	.0588	.0562	.0182	.5328	.9821	.3393
45	.250	.0315	.0300	.0000	.0000	.0000	.0000
46	.256	.0167	.0202	.0000	.0000	.0000	.0000
47	.261	.0281	.0266	.0000	.0000	.0000	.0000
48	.267	.0350	.0353	.0000	.0000	.0000	.0000
49	.272	.0453	.0447	.0067	.4778	.8806	.3042
50	.278	.0531	.0489	.0109	.9441	1.7401	.6011
51	.283	.0439	.0439	.0059	.6206	1.1439	.3952
52	.289	.0367	.0389	.0009	.1124	.2072	.0716
53	.294	.0424	.0408	.0028	.4151	.7653	.2644
54	.300	.0437	.0418	.0038	.5684	1.0477	.3619
55	.306	.0342	.0350	.0000	.0000	.0000	.0000
56	.311	.0281	.0309	.0000	.0000	.0000	.0000
57	.317	.0322	.0327	.0000	.0000	.0000	.0000
58	.322	.0182	.0177	.0000	.0000	.0000	.0000
59	.328	.0401	.0398	.0018	.0318	.0032	.0011
60	.333	.0408	.0404	.0024	.0024	.0044	.0015



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 9/ 4/55 AV. T= 8.6 RECORD = JMC043
HOUR = 6 SIG.HGT. = 35.8 UPPER HGT. = 39.1
TOTAL DF =169 CORR. VAR. = 80.2 LOWER HGT. = 32.8
NOISE LEVEL = .0189 WIND SPEED = 40

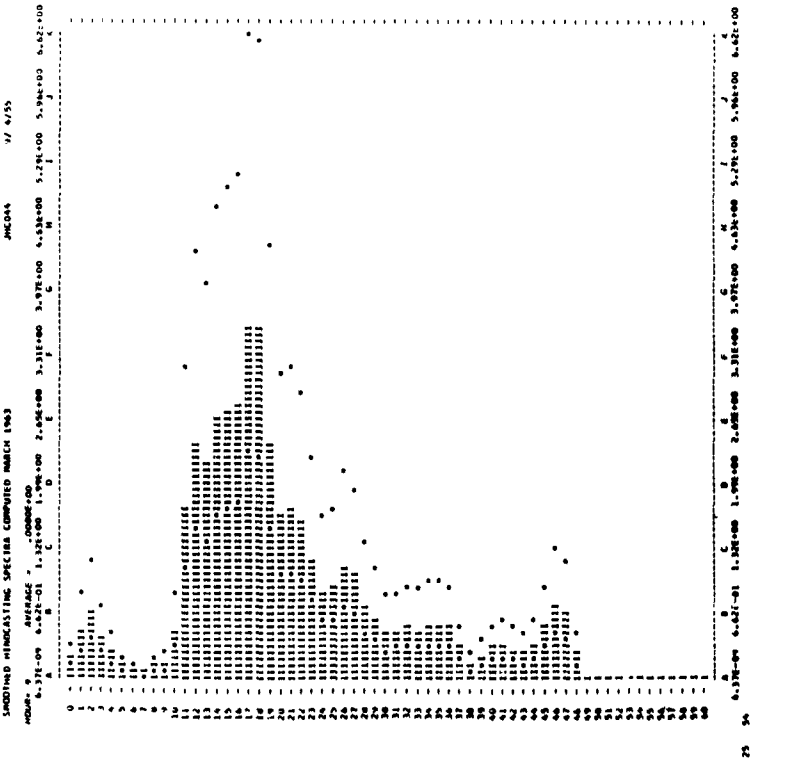
H	FRE.	UNIT-FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.6297	.6297	.6098	.6098	1.1240	.3883
1	.006	.8399	.8399	.8200	.8200	1.5115	.5222
2	.011	1.2090	1.2090	1.1891	1.1891	2.1918	.7572
3	.017	1.3886	1.3886	1.3687	1.3687	2.5228	.8716
4	.022	1.0391	1.0391	1.0192	1.0192	1.8786	.6490
5	.028	.5037	.5037	.4838	.4838	.8918	.3081
6	.033	.4212	.4212	.4013	.4486	1.1952	.4129
7	.039	.5384	.5384	.5185	.7129	1.3132	.4537
8	.044	.5082	.5082	.4883	.6081	1.1208	.3872
9	.050	.7324	.7324	.7125	.8370	1.5426	.5329
10	.056	1.3281	1.3281	1.3082	1.4913	2.7486	.9495
11	.061	1.9854	1.9854	1.9655	2.2193	4.0905	1.4131
12	.067	4.1567	4.1567	4.1368	4.6924	8.6488	2.9879
13	.072	7.9243	7.9243	7.9044	9.1273	16.8229	5.8117
14	.078	9.4568	9.4568	9.4369	11.1993	20.6419	7.1310
15	.083	6.7597	6.7597	6.7398	8.2827	15.2847	5.2803
16	.089	3.7644	3.7644	3.7445	4.8099	8.8653	3.0626
17	.094	2.6700	2.6700	2.6501	3.5788	6.5962	2.2787
18	.100	1.5163	1.5163	1.4964	2.1365	3.9378	1.3604
19	.106	.7976	.7976	.7777	1.1816	2.1779	.7524
20	.111	1.0665	1.0665	1.0466	1.4999	2.7331	1.0824
21	.117	1.1498	1.1498	1.1299	1.5711	3.6330	1.2551
22	.122	.8798	.8798	.8599	1.4191	2.9842	1.0309
23	.128	.7170	.7170	.6971	1.4232	2.6232	.7062
24	.133	.4821	.4821	.4622	1.0282	1.8951	.4967
25	.139	.3103	.3103	.2904	.7072	1.3035	.4503
26	.144	.4089	.4089	.3890	1.0413	1.9192	.6630
27	.150	.3340	.3340	.3141	.9276	1.7096	.5908
28	.156	.1832	.1832	.1633	.5145	.9852	.3606
29	.161	.2196	.2196	.1997	.7273	1.3406	.4631
30	.167	.2662	.2662	.2463	1.0030	1.8486	.6386
31	.172	.1856	.1856	.1657	.7867	1.3967	.4818
32	.178	.0805	.0805	.0606	.3122	.5753	.1988
33	.183	.0594	.0594	.0395	.2301	.4241	.1465
34	.189	.0539	.0539	.0340	.2251	.4150	.1434
35	.194	.0497	.0497	.0298	.2250	.4146	.1432
36	.200	.0900	.0900	.0701	.4096	1.1162	.3856
37	.206	.0914	.0914	.0715	.7095	1.3077	.4518
38	.211	.0569	.0569	.0370	.4240	.7815	.2700
39	.217	.0608	.0608	.0409	.9433	1.0013	.3458
40	.222	.0581	.0549	.0350	.5403	.9962	.3442
41	.228	.0408	.0459	.0281	.4699	.8661	.2992
42	.233	.0435	.0453	.0284	.5371	.9899	.3420
43	.239	.0336	.0509	.0307	.7617	1.4039	.4850
44	.244	.0316	.0511	.0313	.9185	1.6929	.5848
45	.250	.0492	.0488	.0287	1.0005	1.8440	.6370
46	.256	.0466	.0450	.0251	1.0411	1.9189	.6629
47	.261	.0385	.0370	.0171	.8681	1.5832	.5400
48	.267	.0263	.0290	.0092	.5087	.9890	.1966
49	.272	.0131	.0176	.0000	.0000	.0000	.0000
50	.278	.0198	.0197	.0000	.0000	.0000	.0000
51	.283	.0263	.0248	.0049	.0049	.0091	.0031
52	.289	.0268	.0289	.0090	.0090	.0166	.0057
53	.294	.0196	.0327	.0129	.0129	.0238	.0082
54	.300	.0310	.0297	.0098	.0098	.0181	.0063
55	.306	.0171	.0204	.0005	.0005	.0010	.0003
56	.311	.0144	.0156	.0000	.0000	.0000	.0000
57	.317	.0158	.0142	.0000	.0000	.0000	.0000
58	.322	.0108	.0117	.0000	.0000	.0000	.0000
59	.328	.0096	.0103	.0000	.0000	.0000	.0000
60	.333	.0112	.0104	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 9/ 4/55 AV. T= 7.8 RECORD = JMC044
HOUR = 9 SIG.HGT. = 27.2 UPPER HGT. = 29.2
TOTAL DF =246 CORR. VAR. = 46.1 LOWER HGT. = 25.2
NOISE LEVEL = .0161 WIND SPEED = 25

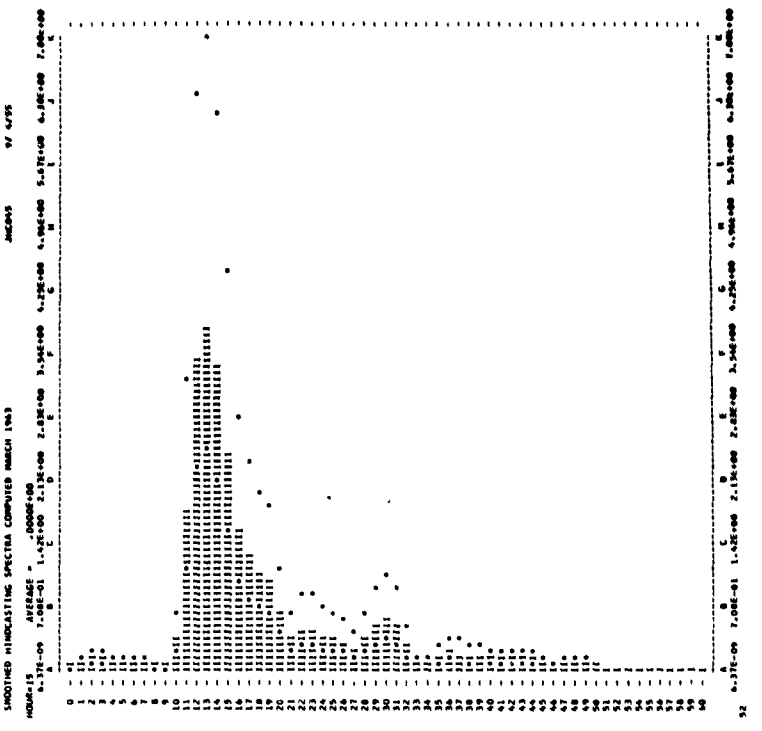
H	FRE.	UNIT-FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1833	.1833	.1672	.1672	.3081	.1065
1	.006	.4733	.4733	.4572	.4572	.8427	.2911
2	.011	.6516	.6516	.6355	.6355	1.1713	.4046
3	.017	.4173	.4173	.4012	.4012	.7394	.2555
4	.022	.2543	.2543	.2382	.2382	.4390	.1517
5	.028	.1364	.1364	.1203	.1203	.2217	.0766
6	.033	.0566	.0566	.0405	.0654	.1206	.0417
7	.039	.0479	.0479	.0318	.0437	.0805	.0278
8	.044	.0962	.0962	.0801	.0997	.1838	.0635
9	.050	.1341	.1341	.1180	.1386	.2554	.0883
10	.056	.4390	.4390	.4229	.4820	.8885	.3069
11	.061	1.5409	1.5409	1.5248	1.7216	3.1732	1.0962
12	.067	2.0998	2.0998	2.0835	2.3633	4.3559	1.5048
13	.072	1.9013	1.9013	1.8852	2.1768	4.0122	1.3861
14	.078	2.2194	2.2194	2.2035	2.6155	4.8208	1.6654
15	.083	2.2471	2.2471	2.2310	2.7450	5.0594	1.7479
16	.089	2.1986	2.1986	2.1825	2.8034	5.1671	1.7850
17	.094	2.6745	2.6745	2.6584	3.5899	6.6167	2.2858
18	.100	2.5168	2.5168	2.5007	3.5702	6.5805	2.2733
19	.106	1.5919	1.5919	1.5758	2.3061	4.4127	1.5244
20	.111	1.0520	1.0520	1.0359	1.6024	3.1009	1.0712
21	.117	.9939	.9939	.9778	1.7056	3.1438	1.0861
22	.122	.8609	.8609	.8448	1.5906	2.9316	1.0128
23	.128	.6111	.6111	.5950	1.2147	2.2388	.7734
24	.133	.4167	.4167	.4008	.8910	1.6423	.5673
25	.139	.3952	.3952	.3791	.9230	1.7013	.5877
26	.144	.4435	.4435	.4276	1.1439	2.1084	.7284
27	.150	.3734	.3734	.3573	1.0948	1.9962	.6716
28	.156	.2461	.2461	.2300	.9526	1.3872	.4792
29	.161	.1790	.1790	.1629	.5931	1.0932	.3777
30	.167	.1273	.1273	.1112	.4527	.8344	.2882
31	.172	.1198	.1198	.1038	.4738	.8733	.3017
32	.178	.1146	.1146	.0985	.5071	.9347	.3229
33	.183	.1011	.1011	.0850	.4968	.9158	.3149
34	.189	.0975	.0975	.0814	.5182	.9921	.3427
35	.194	.0853	.0853	.0692	.5215	.9613	.3321
36	.200	.0736	.0736	.0575	.4963	.9148	.3160
37	.206	.0664	.0664	.0503	.5003	.9196	.1917
38	.211	.0276	.0276	.0115	.1313	.2423	.0837
39	.217	.0319	.0319	.0158	.2095	.3861	.1334
40	.222	.0377	.0358	.0197	.3032	.5589	.1931
41	.228	.0358	.0349	.0186	.3316	.6111	.2111
42	.233	.0288	.0288	.0137	.2883	.5315	.1836
43	.239	.0257	.0264	.0103	.2548	.4697	.1623
44	.244	.0253	.0266	.0105	.3078	.5672	.1960
45	.250	.0301	.0305	.0144	.5025	.9261	.3199
46	.256	.0367	.0334	.0173	.7189	1.3243	.4575
47	.261	.0303	.0291	.0130	.9421	1.7835	.6089
48	.267	.0190	.0201	.0040	.2399	.4422	.1528
49	.272	.0123	.0139	.0000	.0000	.0000	.0000
50	.278	.0122	.0131	.0000	.0000	.0000	.0000
51	.283	.0158	.0154	.0000	.0000	.0000	.0000
52	.289	.0177	.0174	.0013	.0013	.0025	.0009
53	.294	.0186	.0184	.0023	.0023	.0043	.0015
54	.300	.0188	.0190	.0029	.0029	.0054	.0019
55	.306	.0199	.0192	.0031	.0031	.0057	.0020
56	.311	.0182	.0179	.0018	.0018	.0034	.0012
57	.317	.0155	.0159	.0000	.0000	.0000	.0000
58	.322	.0144	.0141	.0000	.0000	.0000	.0000
59	.328	.0121	.0123	.0000	.0000	.0000	.0000
60	.333	.0107	.0114	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 9/ 4/55 AV. T= 9.1 RECORD = JMC043
HOUR = 15 SIG.HGT. = 21.2 UPPER HGT. = 23.4
TOTAL DF =140 CORR. VAR. = 20.1 LOWER HGT. = 10.3
NOISE LEVEL = .0096 WIND SPEED = 25

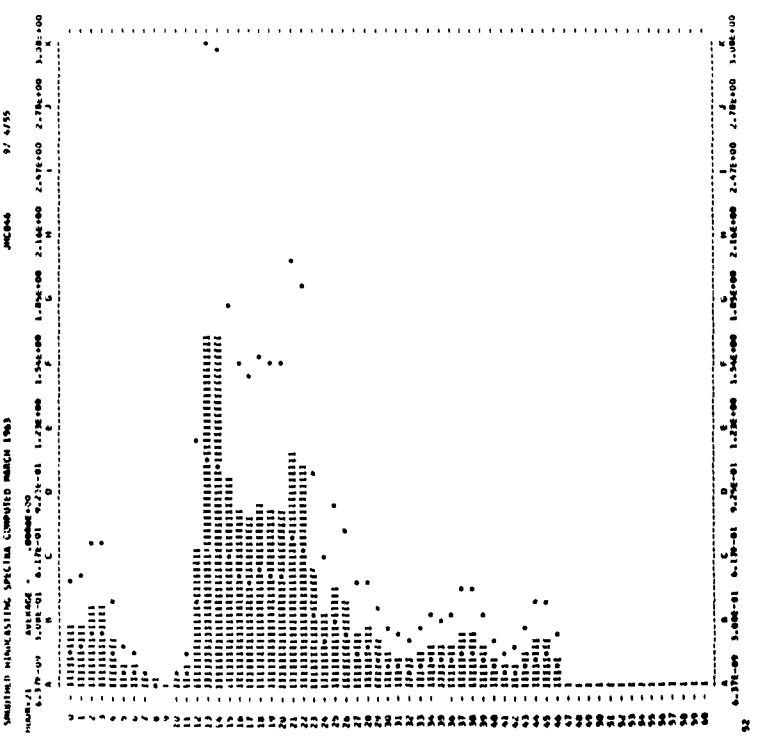
M	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0651	.0651	.0555	.0959	.1023	.0353
1	.006	.0794	.0794	.0698	.0698	.1286	.0444
2	.011	.1183	.1183	.1087	.1087	.2003	.0692
3	.017	.1367	.1367	.1211	.1211	.2232	.0771
4	.022	.1038	.1038	.0936	.0936	.1721	.0595
5	.028	.0831	.0831	.0739	.0739	.1354	.0468
6	.033	.0667	.0667	.0571	.0582	.1070	.0367
7	.039	.0536	.0536	.0440	.0606	.1114	.0385
8	.044	.0403	.0403	.0307	.0406	.0911	.0315
9	.050	.0476	.0476	.0360	.0446	.0822	.0286
10	.056	.2998	.2998	.2894	.3299	.6008	.2108
11	.061	1.5868	1.5868	1.5764	1.7799	3.2806	1.1333
12	.067	3.1089	3.1089	3.0913	3.9064	6.4629	2.2327
13	.072	3.3386	3.3386	3.3284	3.9633	7.0817	2.4472
14	.078	2.8917	2.8917	2.6421	3.3735	6.2180	2.1481
15	.083	1.9746	1.9746	1.9650	2.4177	4.4362	1.5196
16	.089	1.2016	1.2016	1.1920	1.9311	2.8228	.9760
17	.094	.9614	.9614	.9518	1.2983	2.3198	.8012
18	.100	.7706	.7706	.7604	1.0856	2.0009	.6918
19	.106	.6572	.6572	.6478	.9839	1.8134	.6268
20	.111	.3071	.3071	.2975	.6131	1.1300	.3906
21	.117	.2118	.2118	.2022	.3527	.6500	.2246
22	.122	.2308	.2308	.2212	.4541	.8370	.2893
23	.128	.2271	.2271	.2175	.4440	.8183	.2827
24	.133	.1796	.1796	.1700	.3781	.6969	.2409
25	.139	.1559	.1559	.1463	.3362	.6965	.2268
26	.144	.1233	.1233	.1137	.3043	.5608	.1937
27	.150	.0902	.0902	.0806	.2379	.4385	.1515
28	.156	.1098	.1098	.1002	.3278	.6043	.2087
29	.161	.1493	.1493	.1357	.4041	.9106	.3146
30	.167	.1484	.1484	.1388	.5650	1.0414	.3598
31	.172	.1172	.1172	.1076	.4011	.9093	.3127
32	.178	.0597	.0597	.0501	.2579	.4753	.1642
33	.183	.0210	.0210	.0114	.0662	.1221	.0422
34	.189	.0184	.0184	.0088	.0581	.1070	.0370
35	.194	.0275	.0275	.0179	.1348	.2486	.0858
36	.200	.0327	.0327	.0231	.1903	.3673	.1269
37	.206	.0272	.0272	.0176	.1743	.3213	.1110
38	.211	.0240	.0240	.0144	.1646	.3036	.1048
39	.217	.0224	.0224	.0128	.1696	.3126	.1080
40	.222	.0180	.0180	.0084	.1289	.2375	.0821
41	.228	.0157	.0160	.0064	.1149	.2118	.0732
42	.233	.0157	.0156	.0058	.1231	.2268	.0784
43	.239	.0147	.0150	.0054	.1362	.2474	.0855
44	.244	.0150	.0139	.0043	.1256	.2315	.0800
45	.250	.0109	.0115	.0019	.0869	.1222	.0422
46	.256	.0093	.0102	.0006	.0761	.0481	.0166
47	.261	.0115	.0109	.0013	.0634	.1169	.0404
48	.267	.0113	.0112	.0016	.0939	.1731	.0598
49	.272	.0107	.0108	.0012	.0826	.1523	.0526
50	.278	.0104	.0103	.0007	.0967	.1045	.0361
51	.283	.0096	.0093	.0000	.0000	.0000	.0000
52	.289	.0079	.0082	.0000	.0000	.0000	.0000
53	.294	.0083	.0092	.0000	.0000	.0000	.0000
54	.300	.0127	.0116	.0020	.0020	.0036	.0012
55	.306	.0126	.0118	.0022	.0022	.0040	.0014
56	.311	.0092	.0101	.0005	.0005	.0008	.0003
57	.317	.0093	.0096	.0000	.0000	.0000	.0000
58	.322	.0094	.0094	.0000	.0000	.0000	.0000
59	.328	.0086	.0088	.0000	.0000	.0000	.0000
60	.333	.0082	.0084	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 9/ 4/55 AV. T= 8.1 RECORD = JMC044
HOUR = 21 SIG.HGT. = 17.2 UPPER HGT. = 18.5
TOTAL DF =290 CORR. VAR. = 18.4 LOWER HGT. = 15.9
NOISE LEVEL = .0065 WIND SPEED = 20

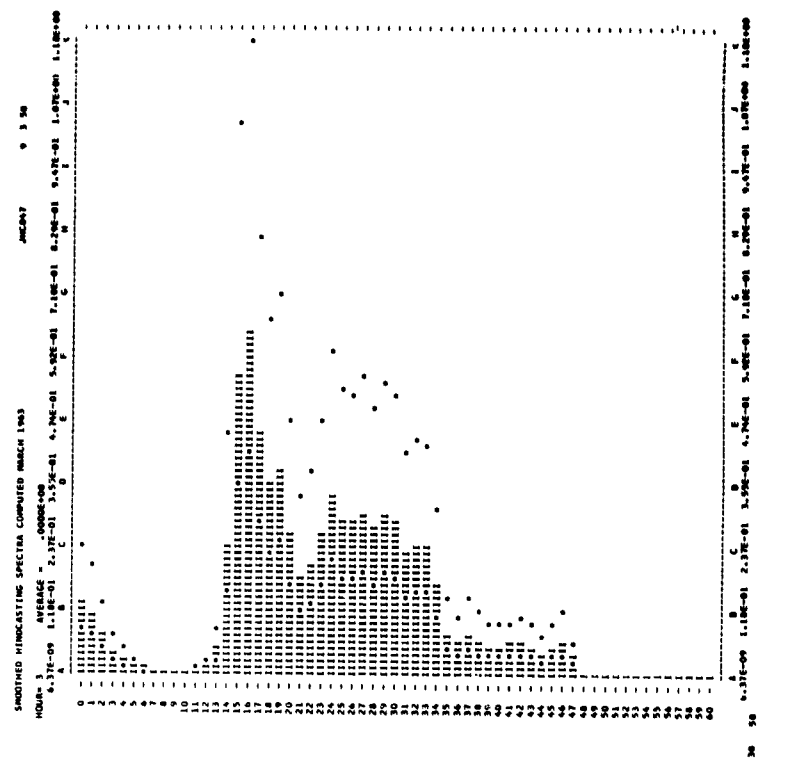
M	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.2701	.2701	.2636	.2636	.4858	.1678
1	.006	.2896	.2896	.2831	.2831	.5215	.1802
2	.011	.3737	.3737	.3672	.3672	.6768	.2338
3	.017	.3756	.3756	.3691	.3691	.6803	.2350
4	.022	.2308	.2308	.2243	.2243	.4134	.1428
5	.028	.1111	.1111	.1046	.1046	.1927	.0666
6	.033	.0563	.0563	.0498	.0804	.1482	.0512
7	.039	.0259	.0259	.0194	.0266	.0491	.0170
8	.044	.0200	.0200	.0135	.0168	.0309	.0107
9	.050	.0109	.0109	.0044	.0051	.0095	.0033
10	.056	.0298	.0298	.0233	.0265	.0489	.0169
11	.061	.0827	.0827	.0762	.0860	.1585	.0548
12	.067	.5736	.5736	.5671	.6432	1.1856	.4096
13	.072	1.4599	1.4599	1.4494	1.6736	3.0847	1.0656
14	.078	1.4038	1.4038	1.3965	1.5576	3.0592	1.0595
15	.083	.8038	.8038	.7973	.9810	1.8081	.6246
16	.089	.6978	.6978	.6913	.8366	1.5419	.5327
17	.094	.5996	.5996	.5891	.7955	1.4662	.5065
18	.100	.6016	.6016	.5951	.8496	1.5659	.5410
19	.106	.5577	.5577	.5512	.8374	1.5435	.5332
20	.111	.5276	.5276	.5161	.8302	1.5448	.5337
21	.117	.6433	.6433	.6368	1.1108	2.0674	.7071
22	.122	.5954	.5954	.5468	1.0334	1.9247	.6580
23	.128	.2734	.2734	.2669	.5448	1.0042	.3469
24	.133	.1537	.1537	.1472	.3274	.6034	.2084
25	.139	.1980	.1980	.1915	.4662	.8593	.2969
26	.144	.1547	.1547	.1482	.3966	.7310	.2525
27	.150	.0947	.0947	.0882	.2603	.4798	.1658
28	.156	.0889	.0889	.0824	.2696	.4969	.1716
29	.161	.0618	.0618	.0553	.2013	.3710	.1282
30	.167	.0428	.0428	.0363	.1677	.2722	.0940
31	.172	.0350	.0350	.0285	.1300	.2396	.0828
32	.178	.0296	.0296	.0231	.1188	.2190	.0757
33	.183	.0316	.0316	.0251	.1459	.2689	.0929
34	.189	.0334	.0334	.0269	.1777	.3276	.1132
35	.194	.0293	.0293	.0228	.1717	.3164	.1093
36	.200	.0284	.0284	.0219	.1889	.3481	.1203
37	.206	.0318	.0318	.0253	.2506	.4620	.1596
38	.211	.0288	.0288	.0223	.2950	.4669	.1623
39	.217	.0280	.0280	.0135	.1788	.3296	.1138
40	.222	.0138	.0146	.0081	.1253	.2310	.0798
41	.228	.0110	.0116	.0051	.0918	.1691	.0585
42	.233	.0107	.0114	.0049	.1029	.1897	.0655
43	.239	.0132	.0128	.0063	.1577	.2907	.1004
44	.244	.0164	.0139	.0074	.2165	.3990	.1379
45	.250	.0136	.0128	.0063	.2202	.4058	.1402
46	.256	.0098	.0094	.0031	.1264	.2330	.0805
47	.261	.0091	.0062	.0000	.0000	.0000	.0000
48	.267	.0069	.0051	.0000	.0000	.0000	.0000
49	.272	.0054	.0049	.0000	.0000	.0000	.0000
50	.278	.0058	.0044	.0000	.0000	.0000	.0000
51	.283	.0045	.0059	.0000	.0000	.0000	.0000
52	.289	.0064	.0087	.0022	.0022	.0040	.0014
53	.294	.0114	.0100	.0035	.0035	.0065	.0022
54	.300	.0078	.0079	.0014	.0014	.0026	.0009
55	.306	.0046	.0079	.0000	.0000	.0000	.0000
56	.311	.0069	.0069	.0000	.0000	.0000	.0000
57	.317	.0060	.0057	.0000	.0000	.0000	.0000
58	.322	.0062	.0060	.0000	.0000	.0000	.0000
59	.328	.0059	.0056	.0000	.0000	.0000	.0000
60	.333	.0054	.0054	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 9/ 3/58 AV. T= 7.2 RECORD = JMC047
HOUR = 3 SIG.HGT. = 11.8 UPPER HGT. = 11.9
TOTAL OF =240 CORR. VAR. = 7.6 LOWER HGT. = 10.3
NOISE LEVEL = .0037 WIND SPEED = 20

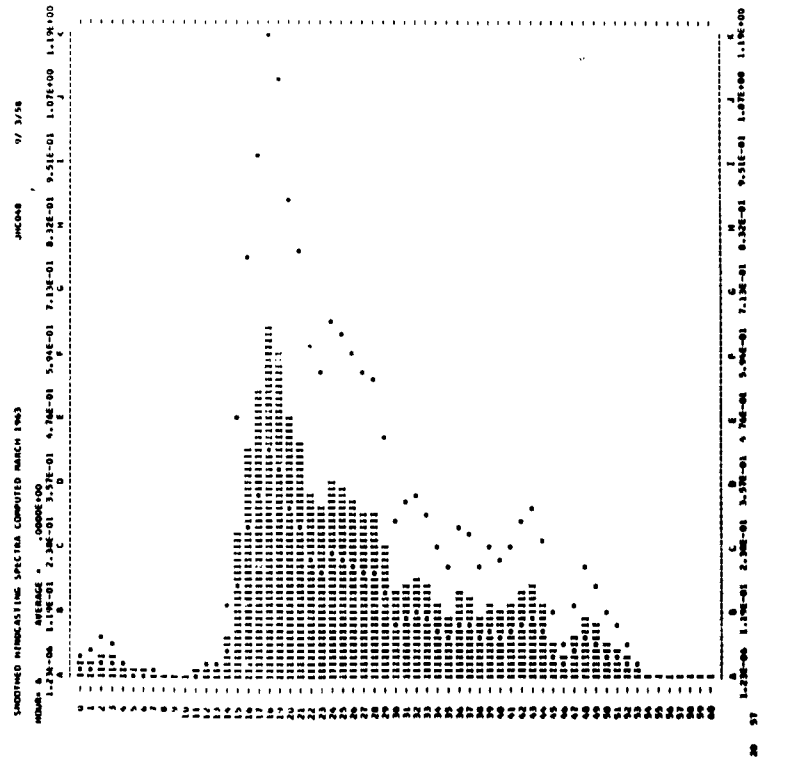
N	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1332	.1332	.1294	.1295	.2346	.0624
1	.006	.1158	.1158	.1120	.1120	.2065	.0715
2	.011	.0716	.0716	.0678	.0678	.1251	.0432
3	.017	.0429	.0429	.0391	.0391	.0722	.0249
4	.022	.0305	.0305	.0267	.0267	.0493	.0170
5	.028	.0199	.0199	.0121	.0121	.0224	.0077
6	.033	.0092	.0092	.0054	.0088	.0162	.0056
7	.039	.0044	.0044	.0006	.0009	.0016	.0006
8	.044	.0036	.0036	.0000	.0000	.0000	.0000
9	.050	.0050	.0050	.0020	.0024	.0044	.0015
10	.056	.0062	.0062	.0034	.0038	.0081	.0018
11	.061	.0081	.0081	.0043	.0049	.0091	.0031
12	.067	.0132	.0132	.0094	.0107	.0198	.0068
13	.072	.0408	.0408	.0370	.0428	.0789	.0272
14	.078	.2074	.2074	.2036	.2617	.4858	.1539
15	.083	.4995	.4995	.4957	.5808	1.0336	.3571
16	.089	.5038	.5038	.5000	.6423	1.1839	.4098
17	.094	.3333	.3333	.3295	.4490	.8202	.2634
18	.100	.2990	.2990	.2513	.3587	.6612	.2286
19	.106	.2968	.2968	.2530	.3845	.7086	.2648
20	.111	.1614	.1614	.1576	.2560	.4719	.1630
21	.117	.1078	.1078	.1040	.1819	.3349	.1156
22	.122	.1136	.1136	.1098	.2068	.3812	.1317
23	.128	.1291	.1291	.1253	.2559	.4717	.1629
24	.133	.1518	.1518	.1480	.3293	.6070	.2097
25	.139	.1214	.1214	.1176	.2869	.5288	.1824
26	.144	.1094	.1094	.1056	.2826	.5212	.1801
27	.150	.1057	.1057	.1019	.3010	.5548	.1917
28	.156	.0853	.0853	.0815	.2669	.4919	.1698
29	.161	.0855	.0855	.0817	.2977	.5487	.1895
30	.167	.0725	.0725	.0687	.2799	.5159	.1782
31	.172	.0529	.0529	.0491	.2244	.4136	.1429
32	.178	.0493	.0493	.0455	.2345	.4323	.1493
33	.183	.0437	.0437	.0399	.2325	.4285	.1480
34	.189	.0287	.0287	.0249	.1650	.3041	.1051
35	.194	.0138	.0138	.0100	.0758	.1398	.0482
36	.200	.0106	.0106	.0068	.0591	.1090	.0377
37	.206	.0114	.0114	.0076	.0789	.1398	.0483
38	.211	.0091	.0091	.0053	.0612	.1129	.0390
39	.217	.0076	.0076	.0039	.0511	.0942	.0325
40	.222	.0072	.0072	.0034	.0528	.0974	.0336
41	.228	.0067	.0068	.0030	.0545	.1004	.0347
42	.233	.0065	.0064	.0027	.0559	.1031	.0356
43	.239	.0059	.0057	.0020	.0487	.0916	.0316
44	.244	.0047	.0051	.0014	.0411	.0757	.0262
45	.250	.0053	.0052	.0015	.0522	.0962	.0332
46	.256	.0057	.0052	.0015	.0611	.1127	.0389
47	.261	.0042	.0044	.0006	.0310	.0571	.0197
48	.267	.0034	.0035	.0000	.0000	.0000	.0000
49	.272	.0032	.0032	.0000	.0000	.0000	.0000
50	.278	.0030	.0032	.0000	.0000	.0000	.0000
51	.283	.0035	.0036	.0000	.0000	.0000	.0000
52	.289	.0045	.0043	.0006	.0006	.0011	.0004
53	.294	.0048	.0047	.0009	.0009	.0017	.0006
54	.300	.0046	.0044	.0007	.0007	.0013	.0004
55	.306	.0038	.0038	.0001	.0001	.0001	.0000
56	.311	.0031	.0035	.0000	.0000	.0000	.0000
57	.317	.0040	.0038	.0001	.0001	.0001	.0000
58	.322	.0041	.0037	.0000	.0000	.0000	.0000
59	.328	.0028	.0028	.0000	.0000	.0000	.0000
60	.333	.0023	.0025	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 9/ 3/58 AV. T= 6.4 RECORD = JMC048
HOUR = 6 SIG.HGT. = 11.9 UPPER HGT. = 12.7
TOTAL OF =270 CORR. VAR. = 8.8 LOWER HGT. = 11.0
NOISE LEVEL = .0031 WIND SPEED = 30

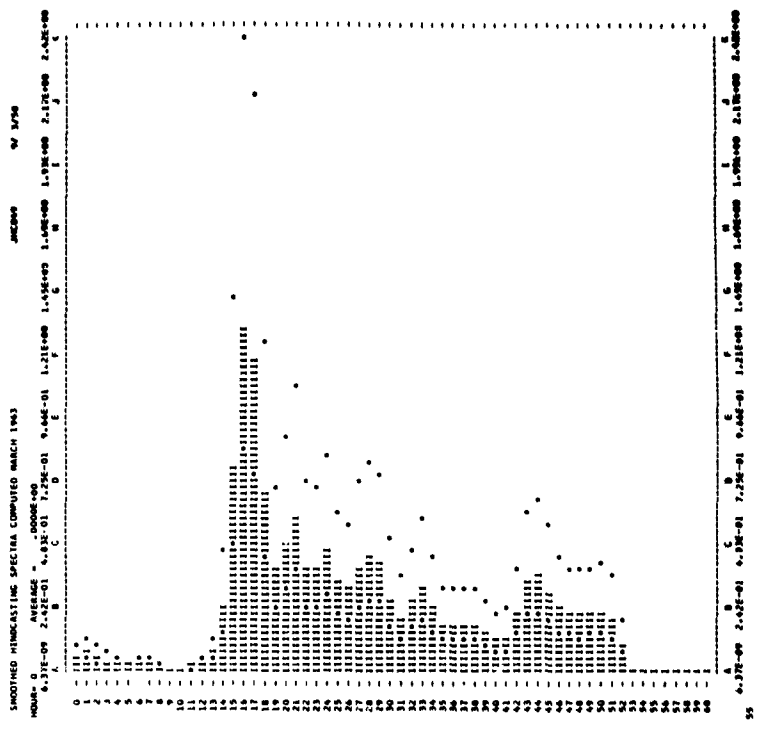
N	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0216	.0216	.0185	.0185	.0342	.0118
1	.006	.0294	.0294	.0263	.0263	.0486	.0168
2	.011	.0412	.0412	.0381	.0381	.0703	.0243
3	.017	.0343	.0343	.0312	.0312	.0576	.0199
4	.022	.0186	.0186	.0155	.0155	.0287	.0099
5	.028	.0122	.0122	.0091	.0091	.0169	.0058
6	.033	.0082	.0082	.0051	.0083	.0153	.0053
7	.039	.0055	.0055	.0024	.0034	.0062	.0021
8	.044	.0050	.0050	.0019	.0024	.0045	.0015
9	.050	.0033	.0033	.0002	.0003	.0005	.0002
10	.056	.0040	.0040	.0009	.0011	.0020	.0007
11	.061	.0088	.0088	.0057	.0065	.0120	.0041
12	.067	.0130	.0130	.0099	.0113	.0208	.0072
13	.072	.0140	.0140	.0109	.0126	.0233	.0080
14	.078	.0647	.0647	.0616	.0732	.1349	.0466
15	.083	.2150	.2150	.2119	.2608	.4807	.1660
16	.089	.3305	.3305	.3274	.4206	.7752	.2678
17	.094	.3920	.3920	.3889	.5252	.9681	.3344
18	.100	.4548	.4548	.4517	.6450	1.1888	.4107
19	.106	.5084	.5084	.5053	.7071	1.3033	.4503
20	.111	.2569	.2569	.2538	.4772	.8794	.3039
21	.117	.2473	.2473	.2442	.4261	.7853	.2713
22	.122	.1790	.1790	.1759	.3313	.6106	.2109
23	.128	.1523	.1523	.1492	.3047	.5616	.1940
24	.133	.1611	.1611	.1580	.3515	.6479	.2238
25	.139	.1430	.1430	.1399	.3408	.6281	.2170
26	.144	.1246	.1246	.1215	.3253	.5996	.2071
27	.150	.1055	.1055	.1024	.3024	.5575	.1926
28	.156	.0929	.0929	.0898	.2940	.5419	.1872
29	.161	.0688	.0688	.0657	.2396	.4413	.1524
30	.167	.0416	.0416	.0385	.1569	.2892	.0999
31	.172	.0408	.0408	.0377	.1716	.3159	.1091
32	.178	.0385	.0385	.0354	.1825	.3364	.1162
33	.183	.0307	.0307	.0276	.1609	.2965	.1024
34	.189	.0224	.0224	.0193	.1279	.2358	.0815
35	.194	.0176	.0176	.0143	.1081	.1993	.0689
36	.200	.0203	.0203	.0172	.1489	.2744	.0948
37	.206	.0173	.0173	.0142	.1413	.2604	.0899
38	.211	.0125	.0125	.0094	.1081	.1993	.0688
39	.217	.0127	.0127	.0096	.1280	.2359	.0815
40	.222	.0102	.0107	.0077	.1183	.2181	.0753
41	.228	.0098	.0102	.0071	.1282	.2363	.0816
42	.233	.0109	.0105	.0075	.1377	.2706	.1004
43	.239	.0105	.0099	.0069	.1706	.3145	.1086
44	.244	.0078	.0076	.0045	.1327	.2445	.0845
45	.250	.0062	.0068	.0018	.0625	.1152	.0398
46	.256	.0032	.0038	.0008	.0330	.0607	.0210
47	.261	.0048	.0045	.0015	.0741	.1365	.0472
48	.267	.0054	.0049	.0019	.1112	.2049	.0708
49	.272	.0041	.0043	.0013	.0909	.1675	.0579
50	.278	.0037	.0038	.0007	.0623	.1149	.0397
51	.283	.0036	.0035	.0005	.0520	.0959	.0331
52	.289	.0033	.0035	.0003	.0346	.0638	.0220
53	.294	.0031	.0031	.0001	.0149	.0275	.0095
54	.300	.0031	.0030	.0000	.0000	.0000	.0000
55	.306	.0027	.0026	.0000	.0000	.0000	.0000
56	.311	.0018	.0022	.0000	.0000	.0000	.0000
57	.317	.0028	.0028	.0000	.0000	.0003	.0000
58	.322	.0033	.0031	.0001	.0001	.0002	.0001
59	.328	.0036	.0034	.0004	.0004	.0007	.0003
60	.333	.0037	.0035	.0005	.0005	.0009	.0003



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 9/ 3/58 AV. T= 6.1 RECORD = JMC049
HOUR = 0 SIG.HGT. = 15.8 UPPER HGT. = 16.1
TOTAL DF =270 CORR. VAR. = 14.1 LOWER HGT. = 14.0
NOISE LEVEL = .0034 WIND SPEED = 20

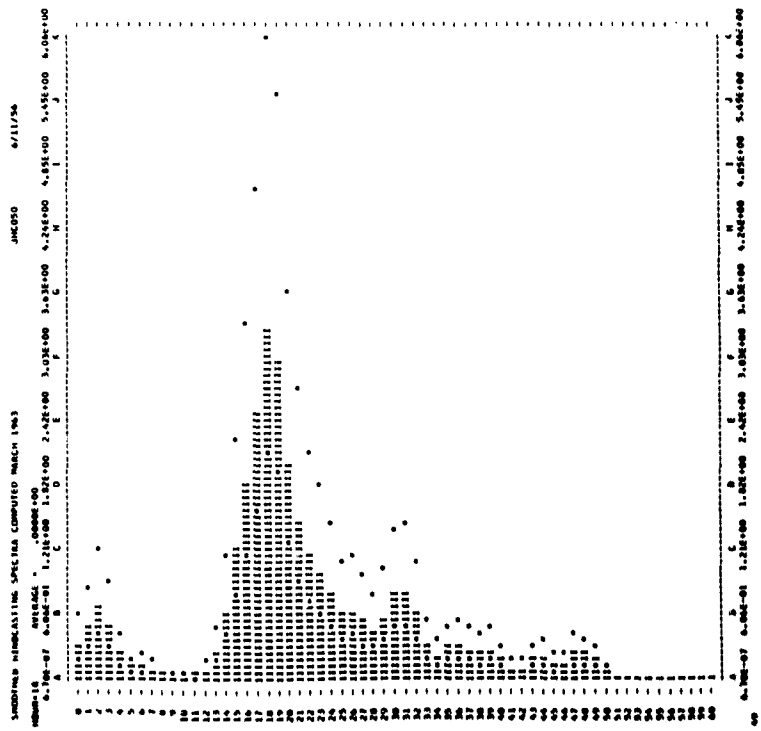
M	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0613	.0613	.0579	.0579	.1067	.0368
1	.006	.0662	.0662	.0608	.0608	.1120	.0387
2	.011	.0567	.0567	.0533	.0533	.0982	.0339
3	.017	.0379	.0379	.0341	.0341	.0628	.0217
4	.022	.0293	.0293	.0219	.0219	.0483	.0139
5	.028	.0228	.0228	.0194	.0194	.0357	.0123
6	.033	.0227	.0227	.0103	.0311	.0574	.0196
7	.039	.0180	.0180	.0140	.0208	.0369	.0127
8	.044	.0119	.0119	.0089	.0109	.0196	.0087
9	.050	.0086	.0086	.0052	.0061	.0112	.0039
10	.056	.0086	.0086	.0052	.0059	.0109	.0038
11	.061	.0176	.0176	.0142	.0108	.0298	.0102
12	.067	.0276	.0276	.0240	.0272	.0581	.0173
13	.072	.0576	.0576	.0542	.0626	.1193	.0398
14	.078	.2079	.2079	.2048	.2427	.4473	.1545
15	.083	.6338	.6338	.6306	.7756	1.4296	.4939
16	.089	1.9236	1.9236	1.9202	1.3104	2.4183	.8344
17	.094	.8844	.8844	.8810	1.1097	2.1927	.7579
18	.100	.4814	.4814	.4780	.6824	1.2578	.4345
19	.106	.2977	.2977	.2943	.3863	.7120	.2460
20	.111	.3044	.3044	.3010	.4688	.9009	.3112
21	.117	.3405	.3405	.3371	.5880	1.0837	.3744
22	.122	.2120	.2120	.2086	.3927	.7238	.2500
23	.128	.1898	.1898	.1864	.3805	.7013	.2423
24	.133	.2061	.2061	.2027	.4508	.8309	.2870
25	.139	.1379	.1379	.1345	.3274	.6035	.2085
26	.144	.1184	.1184	.1150	.3077	.5672	.1959
27	.150	.1947	.1947	.1313	.3879	.7143	.2468
28	.156	.1394	.1394	.1320	.4319	.7960	.2750
29	.161	.1142	.1142	.1108	.4034	.7434	.2568
30	.167	.0710	.0710	.0676	.2751	.5071	.1752
31	.172	.0461	.0461	.0427	.1948	.3591	.1240
32	.178	.0527	.0527	.0493	.2537	.4676	.1615
33	.183	.0567	.0567	.0533	.3100	.5713	.1974
34	.189	.0396	.0396	.0362	.2392	.4409	.1523
35	.194	.0262	.0262	.0228	.1716	.3164	.1093
36	.200	.0235	.0235	.0201	.1733	.3196	.1103
37	.206	.0212	.0212	.0178	.1762	.3248	.1122
38	.211	.0185	.0185	.0151	.1725	.3179	.1098
39	.217	.0167	.0167	.0113	.1495	.2756	.0952
40	.222	.0105	.0112	.0077	.1195	.2202	.0761
41	.228	.0090	.0105	.0071	.1282	.2363	.0816
42	.233	.0137	.0136	.0102	.2152	.3966	.1370
43	.239	.0101	.0166	.0131	.3265	.6017	.2079
44	.244	.0104	.0156	.0122	.3572	.6586	.2275
45	.250	.0119	.0119	.0085	.2966	.5466	.1888
46	.256	.0084	.0090	.0056	.2309	.4255	.1470
47	.261	.0077	.0077	.0042	.2103	.3877	.1339
48	.267	.0069	.0069	.0035	.2078	.3830	.1323
49	.272	.0062	.0063	.0029	.2089	.3851	.1330
50	.278	.0061	.0059	.0025	.2182	.4022	.1389
51	.283	.0054	.0053	.0018	.1940	.3576	.1235
52	.289	.0042	.0043	.0008	.1083	.1995	.0689
53	.294	.0033	.0033	.0000	.0000	.0000	.0000
54	.300	.0026	.0027	.0000	.0000	.0000	.0000
55	.306	.0023	.0025	.0000	.0000	.0000	.0000
56	.311	.0027	.0029	.0000	.0000	.0000	.0000
57	.317	.0038	.0036	.0002	.0002	.0004	.0001
58	.322	.0043	.0039	.0004	.0004	.0008	.0003
59	.328	.0031	.0032	.0000	.0000	.0000	.0000
60	.333	.0022	.0026	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 6/11/56 AV. T= 7.7 RECORD = JMC050
HOUR = 18 SIG.HGT. = 21.9 UPPER HGT. = 23.8
TOTAL DF =200 CORR. VAR. = 30.1 LOWER HGT. = 20.2
NOISE LEVEL = .0050 WIND SPEED = 0

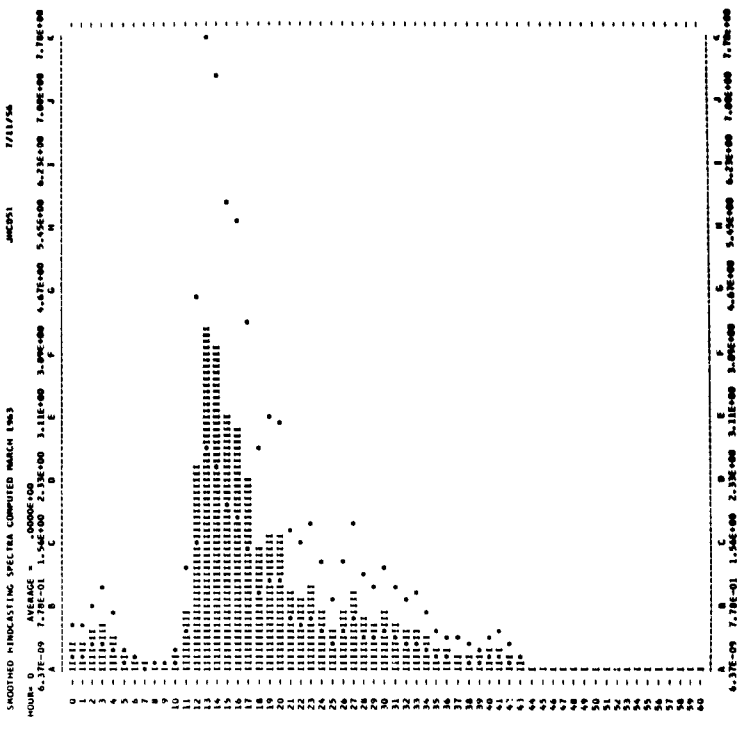
M	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.3284	.3284	.3233	.3234	.5960	.2059
1	.006	.4811	.4811	.4760	.4760	.8776	.3031
2	.011	.6495	.6495	.6444	.6644	1.1878	.4103
3	.017	.4951	.4951	.4900	.4900	.9032	.3120
4	.022	.2269	.2269	.2218	.2218	.4089	.1413
5	.028	.1179	.1179	.1128	.1128	.2080	.0719
6	.033	.0886	.0886	.0835	.1350	.2488	.0860
7	.039	.0650	.0650	.0599	.0824	.1518	.0524
8	.044	.0443	.0443	.0392	.0489	.0901	.0311
9	.050	.0245	.0245	.0194	.0228	.0421	.0145
10	.056	.0246	.0246	.0195	.0223	.0411	.0142
11	.061	.0411	.0411	.0360	.0407	.0750	.0259
12	.067	.0831	.0831	.0780	.0885	.1632	.0564
13	.072	.2242	.2242	.2191	.2531	.4664	.1611
14	.078	.5202	.5202	.5231	.6210	1.1446	.3954
15	.083	.9862	.9862	.9791	1.2047	2.2205	.7671
16	.089	1.4141	1.4141	1.4090	1.8099	3.3360	1.1525
17	.094	1.8621	1.8621	1.8570	2.5078	4.6222	1.5968
18	.100	2.3066	2.3066	2.3015	3.2859	6.0566	2.0923
19	.106	1.9780	1.9780	1.9729	2.9975	5.5248	1.9086
20	.111	1.2229	1.2229	1.2178	1.9779	3.6456	1.2594
21	.117	.8435	.8435	.8384	1.4028	2.6958	.9313
22	.122	.6132	.6132	.6081	1.1450	2.1109	.7291
23	.128	.4877	.4877	.4826	.9853	1.8161	.6274
24	.133	.3637	.3637	.3586	.7977	1.4706	.5080
25	.139	.2542	.2542	.2491	.6067	1.1182	.3863
26	.144	.2405	.2405	.2354	.6302	1.1615	.4013
27	.150	.1821	.1821	.1770	.5227	.9634	.3328
28	.156	.1367	.1367	.1316	.4308	.7941	.2743
29	.161	.1585	.1585	.1534	.5588	1.0299	.3558
30	.167	.1926	.1926	.1875	.7636	1.4076	.4862
31	.172	.1807	.1807	.1756	.8019	1.4780	.5106
32	.178	.1187	.1187	.1136	.5892	1.0786	.3726
33	.183	.0545	.0545	.0494	.2877	.5304	.1832
34	.189	.0355	.0355	.0304	.2014	.3712	.1282
35	.194	.0415	.0415	.0364	.2748	.5066	.1750
36	.200	.0412	.0412	.0361	.3121	.5753	.1987
37	.206	.0308	.0308	.0257	.2554	.4707	.1626
38	.211	.0242	.0242	.0191	.2192	.4040	.1396
39	.217	.0291	.0291	.0200	.2660	.4904	.1694
40	.222	.0176	.0160	.0118	.1789	.3298	.1139
41	.228	.0067	.0097	.0044	.0857	.1544	.0533
42	.233	.0080	.0092	.0042	.0887	.1634	.0565
43	.239	.0143	.0121	.0071	.1703	.3250	.1123
44	.244	.0120	.0113	.0062	.1835	.3381	.1168
45	.250	.0069	.0086	.0035	.1227	.2262	.0781
46	.256	.0085	.0086	.0035	.1461	.2693	.0930
47	.261	.0104	.0094	.0044	.2180	.4018	.1388
48	.267	.0085	.0086	.0036	.2120	.3918	.1353
49	.272	.0071	.0072	.0021	.1620	.2982	.0968
50	.278	.0060	.0058	.0008	.0671	.1237	.0427
51	.283	.0042	.0044	.0000	.0000	.0000	.0000
52	.289	.0033	.0033	.0000	.0000	.0000	.0000
53	.294	.0026	.0033	.0000	.0000	.0000	.0000
54	.300	.0040	.0042	.0000	.0000	.0000	.0000
55	.306	.0064	.0057	.0007	.0307	.0812	.0004
56	.311	.0060	.0059	.0009	.0009	.0017	.0006
57	.317	.0056	.0056	.0006	.0006	.0011	.0004
58	.322	.0058	.0058	.0007	.0007	.0013	.0005
59	.328	.0061	.0061	.0010	.0010	.0019	.0007
60	.333	.0063	.0062	.0012	.0012	.0021	.0007



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 7/11/56 AV. T= 9.0 RECORD = JHC051
HOUR = 0 SIG.HGT. = 24.7 UPPER HGT. = 26.9
TOTAL DF =100 CORR. VAR. = 38.0 LOWER HGT. = 22.6
NOISE LEVEL = .0110 WIND SPEED = 50

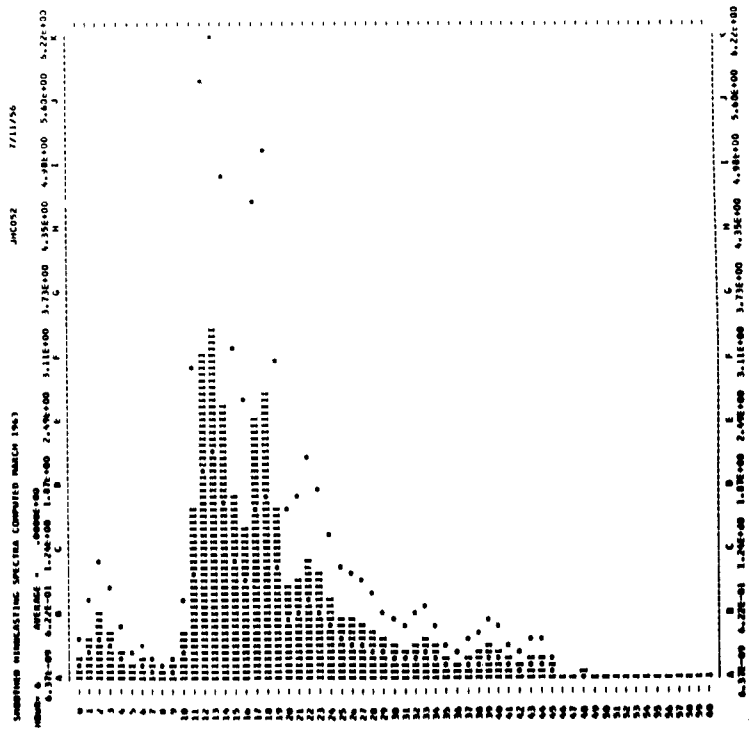
N	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.2917	.2917	.2807	.2807	.5173	.1787
1	.006	.3067	.3067	.2957	.2957	.5450	.1883
2	.011	.4392	.4392	.4282	.4282	.7892	.2726
3	.017	.5474	.5474	.5364	.5364	.9886	.3415
4	.022	.5716	.5716	.5606	.5606	.6646	.2296
5	.028	.1618	.1618	.1508	.1508	.2405	.0831
6	.033	.0601	.0601	.0491	.0793	.1461	.0505
7	.039	.0418	.0418	.0308	.0423	.0779	.0269
8	.044	.0313	.0313	.0203	.0252	.0465	.0161
9	.050	.0374	.0374	.0264	.0310	.0571	.0197
10	.056	.1194	.1194	.1084	.1235	.2277	.0787
11	.061	.0250	.0250	.0140	.0932	1.2777	.4414
12	.067	2.2186	2.2186	2.2076	2.5040	4.6193	1.5964
13	.072	3.6673	3.6673	3.6563	4.2219	7.7816	2.6882
14	.078	3.3370	3.3370	3.3260	3.9479	7.2796	2.5138
15	.083	2.5945	2.5945	2.5835	3.1295	5.7681	1.9927
16	.089	2.3362	2.3362	2.3252	2.9841	5.5002	1.9001
17	.094	1.7499	1.7499	1.7389	2.3428	4.3181	1.4917
18	.100	1.0467	1.0467	1.0357	1.6784	2.7253	.9416
19	.106	1.1110	1.1110	1.1000	1.6712	3.0802	1.0641
20	.111	1.0317	1.0317	1.0207	1.6977	3.0593	1.0595
21	.117	.5433	.5433	.5323	.9288	1.7113	.5912
22	.122	.4972	.4972	.4862	.8400	1.5483	.5349
23	.128	.4960	.4960	.4850	.9901	1.8248	.6304
24	.133	.3331	.3331	.3221	.7164	1.3204	.4561
25	.139	.1956	.1956	.1846	.4494	.8283	.2862
26	.144	.2777	.2777	.2667	.7137	1.3155	.4545
27	.150	.3337	.3337	.3227	.9526	1.7558	.6066
28	.156	.2060	.2060	.1950	.6380	1.1760	.4063
29	.161	.1628	.1628	.1518	.5916	1.0906	.3512
30	.167	.1818	.1708	.1598	.4983	1.2813	.4427
31	.172	.1332	.1332	.1222	.5577	1.0280	.3551
32	.178	.1036	.1036	.0926	.4786	.8785	.3035
33	.183	.0971	.0971	.0861	.5008	.9231	.3189
34	.189	.0700	.0700	.0590	.3900	.7188	.2483
35	.194	.0419	.0419	.0309	.2327	.4289	.1482
36	.200	.0347	.0347	.0237	.2063	.3766	.1301
37	.206	.0309	.0309	.0199	.1931	.3558	.1229
38	.211	.0247	.0247	.0137	.1569	.2883	.0996
39	.217	.0219	.0219	.0109	.1442	.2658	.0918
40	.222	.0249	.0244	.0134	.2066	.3807	.1315
41	.228	.0260	.0239	.0129	.2326	.4288	.1481
42	.233	.0189	.0194	.0084	.1777	.3275	.1131
43	.239	.0140	.0144	.0033	.0830	.1530	.0529
44	.244	.0106	.0112	.0002	.0049	.0091	.0031
45	.250	.0096	.0103	.0000	.0000	.0000	.0000
46	.256	.0116	.0108	.0000	.0000	.0000	.0000
47	.261	.0104	.0106	.0000	.0000	.0000	.0000
48	.267	.0102	.0110	.0000	.0000	.0000	.0000
49	.272	.0132	.0130	.0020	.0020	.0036	.0013
50	.278	.0154	.0143	.0033	.0033	.0061	.0021
51	.283	.0134	.0136	.0025	.0025	.0047	.0016
52	.289	.0121	.0134	.0024	.0024	.0045	.0015
53	.294	.0162	.0147	.0037	.0037	.0068	.0023
54	.300	.0143	.0134	.0024	.0024	.0044	.0015
55	.306	.0088	.0101	.0000	.0000	.0000	.0000
56	.311	.0085	.0090	.0000	.0000	.0000	.0000
57	.317	.0104	.0101	.0000	.0000	.0000	.0000
58	.322	.0112	.0103	.0000	.0000	.0000	.0000
59	.328	.0084	.0085	.0000	.0000	.0000	.0000
60	.333	.0059	.0071	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 7/11/56 AV. T= 9.0 RECORD = JHC052
HOUR = 6 SIG.HGT. = 23.5 UPPER HGT. = 25.5
TOTAL DF =199 CORR. VAR. = 34.6 LOWER HGT. = 21.7
NOISE LEVEL = .0093 WIND SPEED = 0

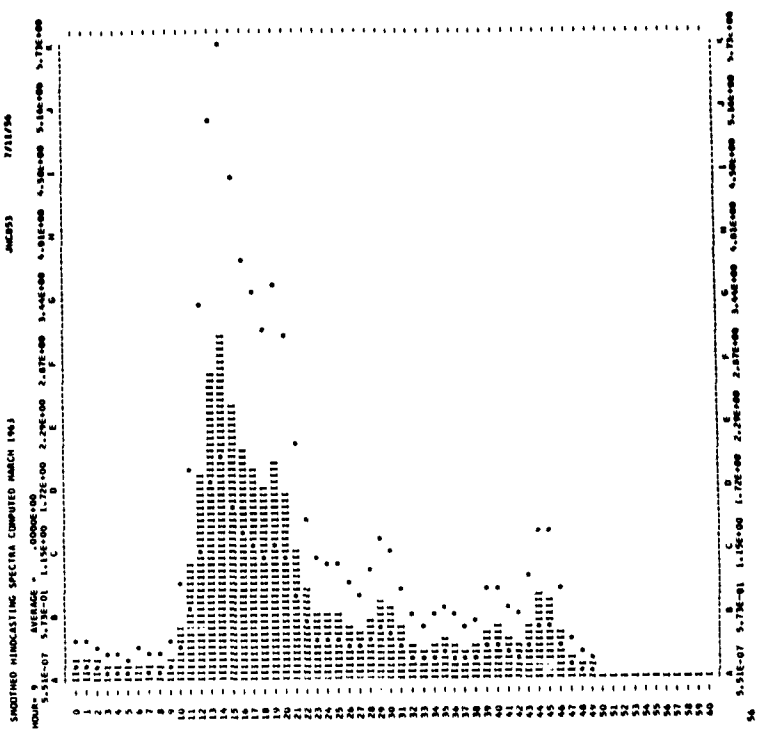
N	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.2015	.2015	.1922	.1922	.3544	.1224
1	.006	.4135	.4135	.4062	.4062	.7449	.2573
2	.011	.6005	.6005	.5912	.5912	1.0896	.3764
3	.017	.4726	.4726	.4633	.4633	.8539	.2950
4	.022	.2890	.2890	.2797	.2797	.5155	.1781
5	.028	.1585	.1585	.1490	.1490	.2746	.0948
6	.033	.1060	.1060	.0967	.1562	.2878	.0994
7	.039	.0838	.0838	.0745	.1023	.1886	.0651
8	.044	.0664	.0664	.0571	.0710	.1310	.0452
9	.050	.1049	.1049	.0956	.1122	.2069	.0715
10	.056	.3762	.3762	.3669	.4182	.7708	.2663
11	.061	1.4327	1.4327	1.4234	1.6071	2.9621	1.0235
12	.067	2.7759	2.7759	2.7666	3.1361	5.7840	1.9982
13	.072	2.9317	2.9314	2.9221	3.3741	6.2190	2.1484
14	.078	2.2341	2.2341	2.2248	2.5408	4.6824	1.6815
15	.083	1.4033	1.4033	1.3940	1.7151	3.1612	1.0921
16	.089	1.1407	1.1407	1.1314	1.4532	2.6785	.9255
17	.094	1.0638	1.0638	1.0545	1.5043	4.6157	1.5946
18	.100	1.0455	1.0455	1.0362	2.7843	5.0949	1.7601
19	.106	1.0906	1.0906	1.0813	1.6428	3.0278	1.0460
20	.111	.5479	.5479	.5386	.8747	1.6121	.5569
21	.117	.5553	.5553	.5460	.9824	1.7954	.6204
22	.122	.6101	.6101	.6008	1.1311	2.0848	.7202
23	.128	.4884	.4884	.4791	.9780	1.8026	.6227
24	.133	.3477	.3477	.3384	.7526	1.3872	.4792
25	.139	.2498	.2498	.2405	.5855	1.0791	.3728
26	.144	.2074	.2074	.1981	.5301	.9771	.3375
27	.150	.1819	.1819	.1726	.5094	.9390	.3244
28	.156	.1406	.1406	.1313	.4245	.7917	.2735
29	.161	.1043	.1043	.0950	.3458	.6373	.2202
30	.167	.0829	.0829	.0736	.2995	.5520	.1907
31	.172	.0694	.0694	.0601	.2742	.5054	.1746
32	.178	.0735	.0739	.0642	.3303	.6089	.2103
33	.183	.0791	.0791	.0698	.3826	.7053	.2436
34	.189	.0520	.0520	.0427	.2821	.5200	.1796
35	.194	.0317	.0317	.0224	.1685	.3106	.1073
36	.200	.0265	.0265	.0172	.1481	.2730	.0943
37	.206	.0282	.0282	.0189	.1870	.3447	.1191
38	.211	.0302	.0302	.0209	.2393	.4410	.1520
39	.217	.0311	.0311	.0218	.2887	.5321	.1838
40	.222	.0277	.0260	.0167	.2577	.4750	.1641
41	.228	.0177	.0193	.0099	.1749	.3247	.1139
42	.233	.0160	.0162	.0068	.1448	.2668	.0927
43	.239	.0191	.0175	.0082	.2032	.3746	.1294
44	.244	.0179	.0165	.0071	.2096	.3859	.1333
45	.250	.0110	.0121	.0028	.0977	.1801	.0622
46	.256	.0087	.0094	.0001	.0024	.0044	.0015
47	.261	.0092	.0093	.0000	.0000	.0000	.0000
48	.267	.0099	.0100	.0006	.0376	.0693	.0239
49	.272	.0109	.0109	.0015	.0012	.0022	.0008
50	.278	.0104	.0101	.0008	.0008	.0015	.0005
51	.283	.0089	.0097	.0004	.0004	.0007	.0002
52	.289	.0106	.0109	.0015	.0015	.0028	.0010
53	.294	.0134	.0123	.0030	.0030	.0055	.0019
54	.300	.0119	.0120	.0027	.0027	.0049	.0017
55	.306	.0109	.0112	.0019	.0019	.0034	.0012
56	.311	.0111	.0103	.0009	.0009	.0017	.0006
57	.317	.0080	.0083	.0000	.0000	.0000	.0000
58	.322	.0063	.0087	.0000	.0000	.0000	.0000
59	.328	.0062	.0061	.0000	.0000	.0000	.0000
60	.333	.0096	.0099	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 7/11/56 AV. T= 7.6 RECORD = JMC093
HOUR = 9 SIG.HGT. = 23.0 UPPER HGT. = 25.7
TOTAL OF =288 CORR. VAR. = 39.5 LOWER HGT. = 22.1
NOISE LEVEL = .0124 WIND SPEED = 0

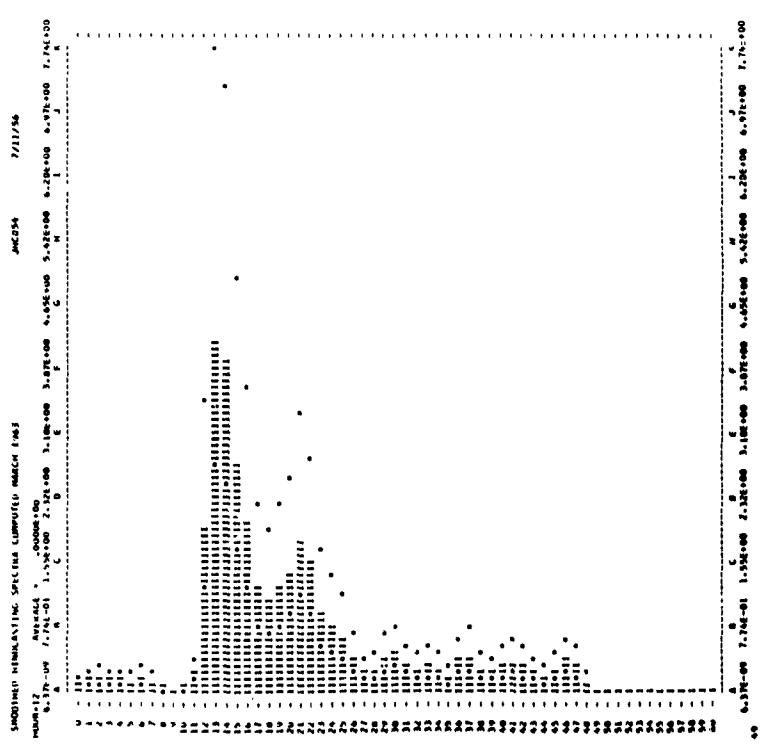
M	FRE.	UNIT-PT.2	FILTERED -NOISE	CORR.PT.2	UPPER	LOWER
0	.000	.1973	.1973	.1849	.1849	.3407	.1177
1	.006	.2067	.2067	.1963	.1963	.3981	.1237
2	.011	.1884	.1884	.1688	.1688	.3096	.1078
3	.017	.1469	.1469	.1368	.1368	.2679	.0856
4	.022	.1278	.1278	.1194	.1194	.2128	.0738
5	.028	.1015	.1015	.0891	.0891	.1642	.0547
6	.033	.1005	.1005	.0881	.0881	.1623	.0526
7	.039	.1078	.1078	.0984	.0984	.1818	.0834
8	.044	.1088	.1088	.0984	.0984	.1100	.0788
9	.050	.1069	.1069	.1568	.1014	.3344	.1195
10	.056	.4198	.4198	.4074	.4044	.8830	.2957
11	.061	.9288	.9288	.9186	1.0338	1.9896	.6882
12	.067	1.0232	1.0232	1.0188	1.0271	2.2676	1.1634
13	.072	2.3981	2.3981	2.3777	2.7468	5.0604	1.7482
14	.078	2.6315	2.6315	2.6191	3.1088	5.7301	1.8795
15	.083	2.0108	2.0108	1.9981	2.4884	4.9312	1.5654
16	.089	1.6180	1.6180	1.5978	2.0581	3.7823	1.3066
17	.094	1.4173	1.4173	1.4068	1.8071	3.4967	1.2080
18	.100	1.2128	1.2128	1.1996	1.7126	3.1566	1.0954
19	.106	1.2775	1.2775	1.2691	1.9220	3.9626	1.2238
20	.111	1.0901	1.0901	1.0377	1.6855	3.1062	1.0731
21	.117	.6782	.6782	.6668	1.1631	2.1438	.7408
22	.122	.4269	.4269	.4149	.7644	1.4383	.4969
23	.128	.2951	.2951	.2827	.5771	1.0636	.3674
24	.133	.2701	.2701	.2577	.5731	1.0564	.3649
25	.139	.2398	.2398	.2276	.5536	1.0206	.3525
26	.144	.1907	.1907	.1783	.4771	.8795	.3038
27	.150	.1520	.1520	.1396	.4121	.7595	.2624
28	.156	.1795	.1795	.1631	.5337	.9836	.3398
29	.161	.2003	.2003	.1879	.6861	1.2649	.4369
30	.167	.1665	.1665	.1541	.6273	1.1562	.3994
31	.172	.1079	.1079	.0955	.4359	.8034	.2775
32	.178	.0701	.0701	.0577	.2970	.5473	.1891
33	.183	.0539	.0539	.0421	.2390	.4405	.1522
34	.189	.0575	.0575	.0451	.2981	.5494	.1898
35	.194	.0587	.0587	.0463	.3488	.6429	.2221
36	.200	.0476	.0476	.0352	.3037	.5597	.1934
37	.206	.0377	.0377	.0253	.2506	.4619	.1596
38	.211	.0373	.0373	.0249	.2847	.5247	.1813
39	.217	.0447	.0447	.0323	.4282	.7893	.2727
40	.222	.0441	.0405	.0280	.4326	.7976	.2755
41	.228	.0290	.0313	.0189	.3403	.6273	.2167
42	.233	.0232	.0268	.0143	.3029	.5582	.1928
43	.239	.0317	.0319	.0195	.4849	.8937	.3087
44	.244	.0412	.0373	.0268	.7293	1.3443	.4644
45	.250	.0390	.0328	.0204	.7109	1.3102	.4526
46	.256	.0202	.0227	.0103	.4279	.7886	.2724
47	.261	.0156	.0163	.0039	.1963	.3582	.1237
48	.267	.0160	.0164	.0020	.1173	.2162	.0747
49	.272	.0140	.0138	.0013	.0964	.1777	.0614
50	.278	.0131	.0123	.0000	.0000	.0000	.0000
51	.283	.0090	.0096	.0000	.0000	.0000	.0000
52	.289	.0073	.0083	.0000	.0000	.0000	.0000
53	.294	.0098	.0096	.0000	.0000	.0000	.0000
54	.300	.0115	.0103	.0000	.0000	.0000	.0000
55	.306	.0084	.0088	.0000	.0000	.0000	.0000
56	.311	.0071	.0087	.0000	.0000	.0000	.0000
57	.317	.0123	.0122	.0000	.0000	.0000	.0000
58	.322	.0171	.0165	.0041	.0041	.0076	.0026
59	.328	.0197	.0195	.0071	.0071	.0130	.0045
60	.333	.0215	.0206	.0082	.0082	.0151	.0052



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 7/11/56 AV. T= 8.1 RECORD = JMC094
HOUR = 12 SIG.HGT. = 23.0 UPPER HGT. = 25.1
TOTAL OF =171 CORR. VAR. = 33.0 LOWER HGT. = 21.1
NOISE LEVEL = .0096 WIND SPEED = 30

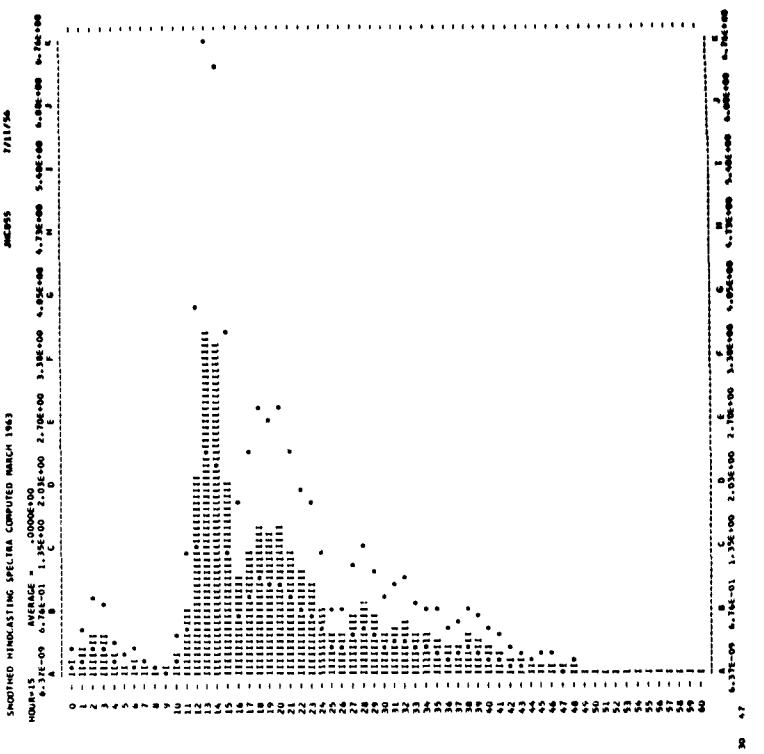
M	FRE.	UNIT-PT.2	FILTERED -NOISE	CORR.PT.2	UPPER	LOWER
0	.000	.1062	.1062	.0966	.0966	.1780	.0615
1	.006	.1412	.1412	.1316	.1316	.2425	.0838
2	.011	.1658	.1658	.1562	.1562	.2878	.0994
3	.017	.1412	.1412	.1316	.1316	.2425	.0838
4	.022	.1264	.1264	.1168	.1168	.2152	.0744
5	.028	.1204	.1204	.1108	.1108	.2042	.0705
6	.033	.1074	.1074	.0978	.1580	.2912	.1006
7	.039	.0876	.0876	.0780	.1071	.1975	.0682
8	.044	.0514	.0514	.0418	.0520	.0959	.0331
9	.050	.0216	.0216	.0120	.0141	.0259	.0090
10	.056	.0579	.0579	.0483	.0550	.1014	.0350
11	.061	.2031	.2031	.1935	.2184	.4026	.1391
12	.067	1.6884	1.6884	1.6788	1.9062	3.5098	1.2129
13	.072	3.6487	3.6487	3.6391	4.2020	7.7490	2.6796
14	.078	3.3343	3.3343	3.3247	3.9464	7.2738	2.5128
15	.083	2.1836	2.1836	2.1740	2.6749	4.9302	1.7032
16	.089	1.5535	1.5535	1.5439	1.9831	3.6552	1.2627
17	.094	.9201	.9201	.9105	1.2295	2.2662	.7829
18	.100	.7607	.7607	.7401	1.0566	1.9475	.6728
19	.106	.8031	.8031	.7935	1.2055	2.2220	.7676
20	.111	.8745	.8745	.8649	1.4046	2.5890	.8944
21	.117	1.0365	1.2365	1.0269	1.7913	3.3016	1.1408
22	.122	.8169	.8169	.8073	1.5199	2.8019	.9678
23	.128	.4535	.4535	.4439	.3082	1.6702	.5770
24	.133	.3478	.3478	.3382	.7522	1.3864	.4790
25	.139	.2679	.2679	.2583	.6289	1.1591	.4004
26	.144	.1936	.1936	.1438	.3848	.7093	.2450
27	.150	.0870	.0870	.0774	.2284	.4210	.1454
28	.156	.0828	.0828	.0732	.2395	.4414	.1525
29	.161	.1167	.1167	.1071	.3899	.7186	.2483
30	.167	.1177	.1177	.1081	.4400	.8110	.2802
31	.172	.0768	.0768	.0672	.3067	.5652	.1953
32	.178	.0591	.0591	.0495	.2341	.4316	.1491
33	.183	.0609	.0609	.0513	.2984	.5499	.1900
34	.189	.0495	.0495	.0399	.2372	.4373	.1511
35	.194	.0309	.0309	.0209	.1573	.2900	.1002
36	.200	.0508	.0508	.0412	.3555	.6552	.2263
37	.206	.0515	.0515	.0419	.4152	.7654	.2644
38	.211	.0318	.0318	.0222	.2938	.5418	.1870
39	.217	.0285	.0285	.0189	.2239	.4126	.1425
40	.222	.0295	.0285	.0189	.2919	.5380	.1858
41	.228	.0287	.0275	.0178	.3214	.5924	.2047
42	.233	.0230	.0231	.0135	.2844	.5242	.1811
43	.239	.0177	.0182	.0088	.2135	.3936	.1360
44	.244	.0154	.0158	.0062	.1812	.3339	.1154
45	.250	.0165	.0169	.0073	.2531	.4666	.1612
46	.256	.0201	.0101	.0085	.3522	.6492	.2243
47	.261	.0158	.0156	.0060	.2959	.5454	.1884
48	.267	.0107	.0119	.0019	.1113	.2052	.0709
49	.272	.0088	.0091	.0000	.0000	.0000	.0000
50	.278	.0081	.0084	.0000	.0000	.0000	.0000
51	.283	.0088	.0090	.0000	.0000	.0000	.0000
52	.289	.0087	.0087	.0000	.0000	.0000	.0000
53	.294	.0094	.0098	.0000	.0000	.0000	.0000
54	.300	.0068	.0071	.0000	.0000	.0000	.0000
55	.306	.0099	.0083	.0000	.0000	.0000	.0000
56	.311	.0104	.0107	.0011	.0011	.0020	.0007
57	.317	.0120	.0127	.0031	.0031	.0057	.0020
58	.322	.0163	.0163	.0067	.0067	.0086	.0030
59	.328	.0126	.0120	.0024	.0024	.0044	.0015
60	.333	.0068	.0098	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 7/11/56 AV. T= 8.4 RECORD = JHC055
HOUR = 15 SIG.HGT. = 22.8 UPPER HGT. = 24.7
TOTAL OF =201 CORR. VAR. = 32.5 LOWER HGT. = 21.0
NOISE LEVEL = .0079 WIND SPEED = 30

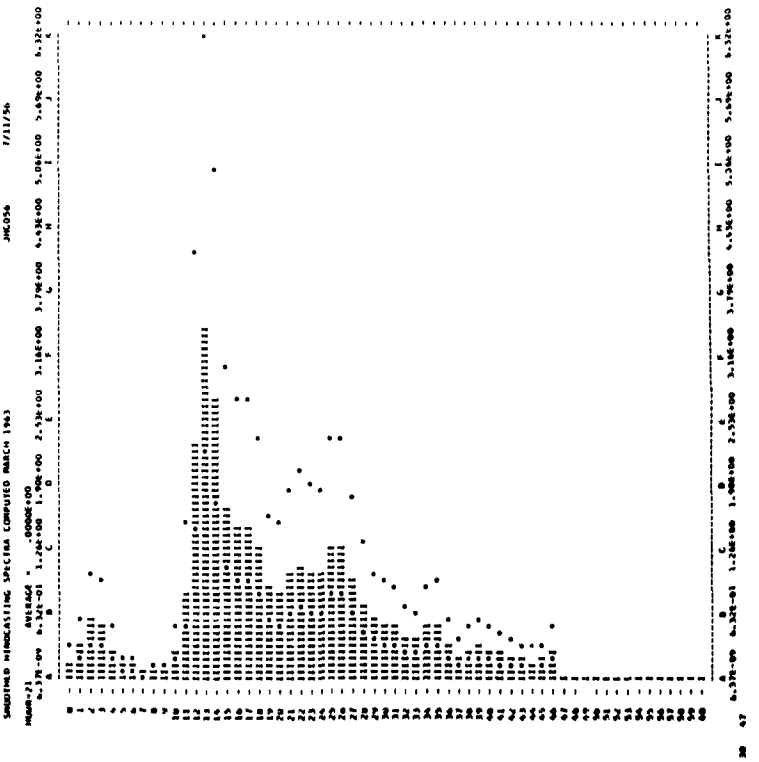
N	FRE. UNIT=FT.2 FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1364	.1364	.1285	.1285	.2369	.0818
1	.006	.2876	.2876	.2697	.2697	.4603	.1590
2	.011	.4644	.4644	.4365	.4365	.8046	.2779
3	.017	.3968	.3968	.3869	.3869	.7131	.2464
4	.022	.1895	.1895	.1816	.1816	.3347	.1156
5	.028	.1039	.1039	.0960	.0960	.1770	.0611
6	.033	.0901	.0901	.0822	.1328	.2448	.0846
7	.039	.0995	.0995	.0916	.0709	.1307	.0452
8	.044	.0311	.0311	.0232	.0289	.0535	.0184
9	.050	.0459	.0459	.0380	.0446	.0823	.0284
10	.056	.1965	.1965	.1886	.2130	.3963	.1369
11	.061	.6232	.6232	.6153	.6947	1.2805	.4424
12	.067	1.0768	1.0768	1.0689	2.1176	3.9031	1.3484
13	.072	2.1821	2.1821	2.1742	3.6693	6.7596	2.3358
14	.078	2.9846	2.9846	2.9767	3.5096	6.4687	2.2347
15	.083	1.6293	1.6293	1.6214	1.9950	3.6770	1.2703
16	.089	.7798	.7798	.7719	.9918	1.8279	.6313
17	.094	.9514	.9514	.9435	1.2761	2.3514	.8123
18	.100	1.0863	1.0863	1.0784	1.5396	2.8378	.9804
19	.106	.9794	.9794	.9715	1.4760	2.7205	.9398
20	.111	.9490	.9490	.9371	1.5220	2.8052	.9691
21	.117	.7697	.7697	.7618	1.2940	2.3851	.8239
22	.122	.5714	.5714	.5635	1.0610	1.9555	.6756
23	.128	.4852	.4852	.4773	.9744	1.7960	.6205
24	.133	.3250	.3250	.3171	.7053	1.3001	.4491
25	.139	.1626	.1626	.1545	.3762	.6934	.2396
26	.144	.1516	.1516	.1437	.3846	.7089	.2449
27	.150	.2189	.2189	.2110	.6230	1.1482	.3967
28	.156	.2362	.2362	.2283	.7404	1.3650	.4716
29	.161	.1725	.1725	.1646	.5996	1.1048	.3817
30	.167	.1138	.1138	.1059	.4312	.7948	.2746
31	.172	.1169	.1169	.1090	.4977	.9173	.3169
32	.178	.1127	.1127	.1048	.5397	.9947	.3436
33	.183	.0758	.0758	.0679	.3952	.7284	.2516
34	.189	.0696	.0696	.0577	.3817	.7035	.2430
35	.194	.0569	.0569	.0490	.3695	.6810	.2352
36	.200	.0364	.0364	.0285	.2461	.4537	.1567
37	.206	.0373	.0373	.0294	.2817	.5194	.1857
38	.211	.0407	.0407	.0328	.3755	.6922	.2391
39	.217	.0316	.0316	.0237	.3146	.5799	.2003
40	.222	.0244	.0248	.0170	.2616	.4822	.1666
41	.228	.0190	.0192	.0113	.2032	.3746	.1294
42	.233	.0143	.0150	.0071	.1501	.2766	.0956
43	.239	.0124	.0122	.0043	.1064	.1962	.0678
44	.244	.0096	.0106	.0028	.0810	.1493	.0516
45	.250	.0110	.0107	.0028	.0978	.1803	.0623
46	.256	.0112	.0103	.0024	.0989	.1822	.0629
47	.261	.0077	.0087	.0008	.0414	.0763	.0263
48	.267	.0083	.0091	.0012	.0719	.1326	.0458
49	.272	.0121	.0113	.0035	.0035	.0064	.0022
50	.278	.0129	.0117	.0038	.0038	.0070	.0024
51	.283	.0088	.0095	.0016	.0016	.0029	.0010
52	.289	.0074	.0084	.0005	.0005	.0010	.0003
53	.294	.0101	.0095	.0017	.0017	.0031	.0011
54	.300	.0106	.0102	.0023	.0023	.0042	.0015
55	.306	.0094	.0092	.0013	.0013	.0025	.0009
56	.311	.0075	.0076	.0000	.0000	.0000	.0000
57	.317	.0059	.0063	.0000	.0000	.0000	.0000
58	.322	.0040	.0040	.0000	.0000	.0000	.0000
59	.328	.0062	.0061	.0000	.0000	.0000	.0000
60	.333	.0059	.0060	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 7/11/56 AV. T= 8.1 RECORD = JHC056
HOUR = 21 SIG.HGT. = 23.2 UPPER HGT. = 24.9
TOTAL OF =238 CORR. VAR. = 33.5 LOWER HGT. = 21.5
NOISE LEVEL = .0065 WIND SPEED = 30

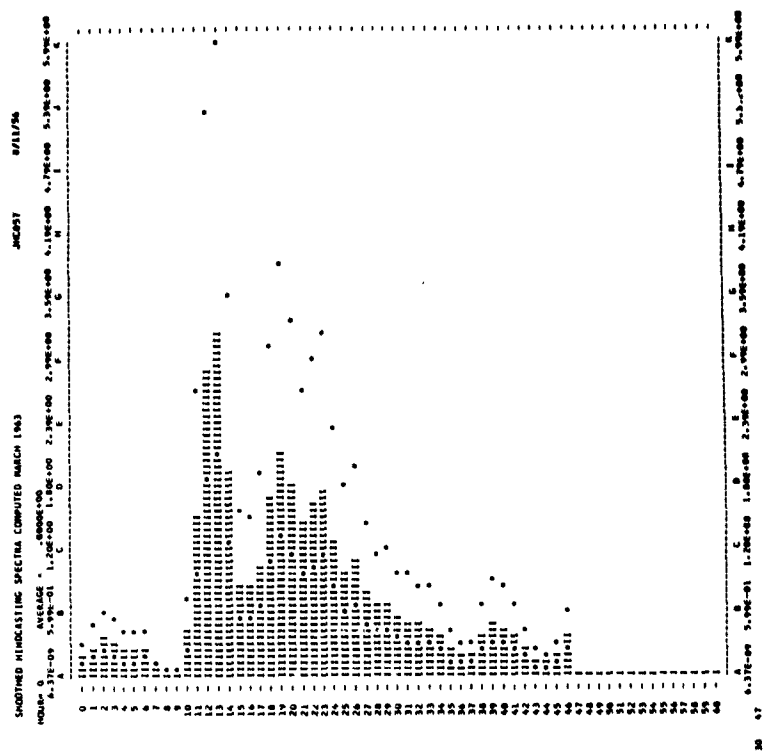
N	FRE. UNIT=FT.2 FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1613	.1613	.1548	.1548	.2854	.0986
1	.006	.3116	.3116	.3051	.3051	.5624	.1943
2	.011	.5498	.5498	.5433	.5433	1.0014	.3460
3	.017	.5115	.5115	.5050	.5050	.9309	.3216
4	.022	.2640	.2640	.2575	.2575	.4747	.1640
5	.028	.1128	.1128	.1063	.1063	.1960	.0677
6	.033	.0664	.0664	.0599	.0968	.1785	.0617
7	.039	.0414	.0414	.0349	.0480	.0885	.0306
8	.044	.0529	.0529	.0464	.0578	.1066	.0368
9	.050	.0750	.0750	.0685	.0805	.1484	.0513
10	.056	.2389	.2389	.2324	.2650	.4883	.1687
11	.061	.7481	.7481	.7416	.8374	1.5434	.5332
12	.067	1.4946	1.4946	1.4879	2.2549	4.1561	1.4358
13	.072	2.9782	2.9782	2.9717	3.4315	6.3247	2.1849
14	.078	2.2760	2.2760	2.2695	2.6939	4.9653	1.7153
15	.083	1.5538	1.3538	1.3473	1.6978	3.0555	1.0556
16	.089	1.1588	1.1588	1.1523	1.4802	2.7282	.9425
17	.094	1.1009	1.1009	1.0944	1.4779	2.7240	.9411
18	.100	.9071	.9071	.9006	1.2858	2.4700	.8187
19	.106	.5779	.5779	.5714	.8682	1.6002	.5528
20	.111	.5159	.5159	.5094	.8274	1.5250	.5268
21	.117	.5778	.5778	.5713	.9946	1.8369	.6344
22	.122	.5823	.5823	.5758	1.0842	1.9983	.6905
23	.126	.5145	.5145	.5080	1.0372	1.9116	.6606
24	.133	.4590	.4590	.4525	1.0066	1.8553	.6409
25	.139	.5329	.5329	.5264	1.2818	2.3626	.8162
26	.144	.4825	.4825	.4760	1.2761	2.3484	.8113
27	.150	.3324	.3324	.3259	.9623	1.7736	.6127
28	.156	.2264	.2264	.2199	.7197	1.3268	.4583
29	.161	.1582	.1582	.1517	.5525	1.0184	.3518
30	.167	.1317	.1319	.1254	.5107	.9413	.3252
31	.172	.1106	.1106	.1041	.4754	.8763	.3027
32	.178	.0824	.0824	.0759	.3910	.7207	.2490
33	.183	.0665	.0669	.0600	.3693	.6439	.2224
34	.189	.0816	.0816	.0751	.4969	.9159	.3164
35	.194	.0748	.0748	.0683	.5151	.9495	.3280
36	.200	.0415	.0415	.0350	.3025	.5575	.1926
37	.206	.0275	.0275	.0210	.2086	.3845	.1328
38	.211	.0290	.0290	.0225	.2579	.4754	.1642
39	.217	.0287	.0287	.0222	.2450	.5438	.1879
40	.222	.0241	.0241	.0176	.2716	.5004	.1730
41	.228	.0199	.0199	.0134	.2415	.4451	.1538
42	.233	.0185	.0185	.0100	.2118	.3904	.1349
43	.239	.0136	.0136	.0072	.1778	.3278	.1132
44	.244	.0111	.0118	.0054	.1573	.2900	.1002
45	.250	.0117	.0119	.0054	.1883	.3471	.1199
46	.256	.0130	.0131	.0067	.2760	.5088	.1758
47	.261	.0148	.0146	.0082	.0082	.0151	.0052
48	.267	.0160	.0146	.0081	.0081	.0150	.0052
49	.272	.0116	.0114	.0050	.0050	.0091	.0032
50	.278	.0065	.0077	.0013	.0013	.0024	.0008
51	.283	.0064	.0069	.0005	.0005	.0008	.0003
52	.289	.0084	.0081	.0017	.0017	.0031	.0011
53	.294	.0096	.0089	.0025	.0025	.0046	.0016
54	.300	.0086	.0083	.0019	.0019	.0035	.0012
55	.306	.0068	.0071	.0006	.0006	.0012	.0004
56	.311	.0062	.0063	.0000	.0000	.0000	.0000
57	.317	.0062	.0058	.0000	.0000	.0000	.0000
58	.322	.0045	.0047	.0000	.0000	.0000	.0000
59	.328	.0038	.0041	.0000	.0000	.0000	.0000
60	.333	.0045	.0041	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 8/11/56 AV. T= 8.8 RECORD = JMG097
HOUR = 0 SIG.HGT. = 24.0 UPPER HGT. = 25.8
TOTAL DF =240 CORR. VAR. = 28.9 LOWER HGT. = 22.2
NOISE LEVEL = .0060 WIND SPEED = 30

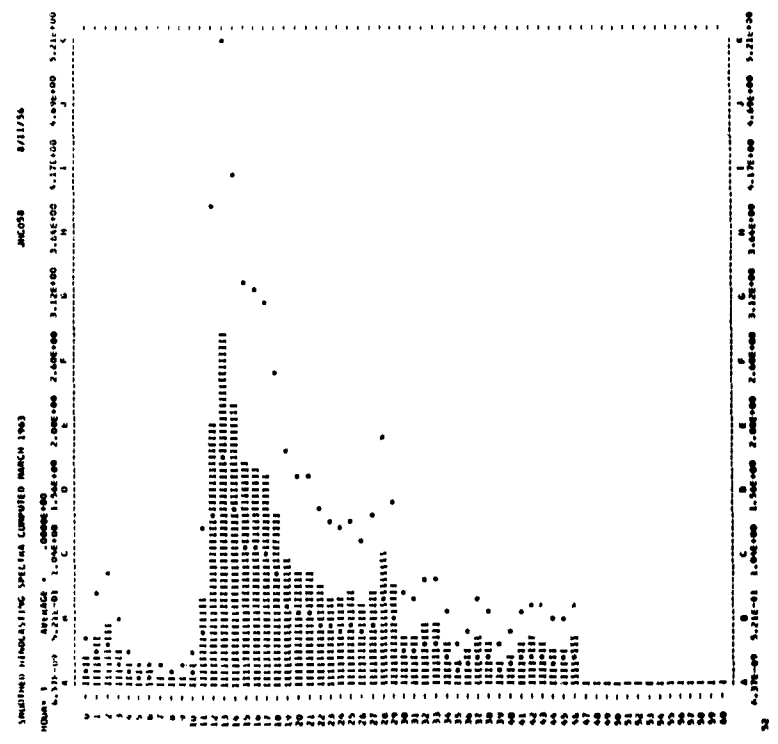
N	FRE.	UNIT=FT.2 FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1796	.1796	.1728	.3184	.1100
1	.006	.2826	.2826	.2698	.4930	.1569
2	.011	.3446	.3446	.3378	.6226	.2191
3	.017	.2966	.2966	.2898	.5361	.1649
4	.022	.2334	.2334	.2266	.4176	.1443
5	.028	.2368	.2368	.2280	.4202	.1452
6	.033	.1579	.1579	.1587	.2624	.1050
7	.039	.0643	.0643	.0425	.0864	.0372
8	.044	.0266	.0266	.0198	.0246	.0197
9	.050	.0260	.0260	.0192	.0225	.0163
10	.056	.3499	.3499	.3431	.7211	.2690
11	.061	1.3114	1.3114	1.3046	1.4730	2.7149
12	.067	2.5409	2.5409	2.5341	2.8764	5.2970
13	.072	2.8192	2.8192	2.8126	3.2674	5.9855
14	.078	1.6388	1.6388	1.6320	1.9371	3.5704
15	.083	.7031	.7031	.6963	.8567	1.5790
16	.089	.6399	.6399	.6331	.8132	1.4988
17	.094	.7805	.7805	.7737	1.0448	1.9256
18	.100	1.1814	1.1814	1.1746	1.6789	3.0908
19	.106	1.3957	1.3957	1.3888	2.1071	3.8838
20	.111	1.1219	1.1219	1.1151	1.8110	3.3379
21	.117	.8471	.8471	.8403	1.4658	2.7016
22	.122	.8621	.8621	.8553	1.6103	2.9680
23	.128	.8670	.8670	.8602	1.7540	3.2316
24	.133	.5806	.5806	.5738	1.2762	2.3523
25	.139	.4086	.4086	.4018	.9783	1.8031
26	.144	.4091	.4091	.4023	1.0767	1.9845
27	.150	.2757	.2757	.2689	.7938	1.4630
28	.156	.1907	.1907	.1929	.6312	1.1635
29	.161	.1874	.1874	.1806	.6575	1.2119
30	.167	.1368	.1368	.1300	.5291	.9753
31	.172	.1171	.1171	.1103	.4834	.9279
32	.178	.0978	.0978	.0910	.4684	.8633
33	.183	.0823	.0823	.0755	.4391	.8094
34	.189	.0623	.0623	.0555	.3668	.6761
35	.194	.0375	.0375	.0307	.2312	.4261
36	.200	.0292	.0252	.0184	.1586	.2923
37	.206	.0232	.0232	.0164	.1623	.2992
38	.211	.0394	.0394	.0326	.3728	.6871
39	.217	.0435	.0435	.0367	.4865	.8968
40	.222	.0356	.0359	.0290	.4480	.8257
41	.228	.0288	.0274	.0206	.3704	.6827
42	.233	.0164	.0181	.0113	.2378	.4384
43	.239	.0108	.0120	.0052	.1298	.2373
44	.244	.0101	.0103	.0035	.1018	.1876
45	.250	.0102	.0116	.0048	.1677	.3091
46	.256	.0161	.0149	.0081	.3365	.6201
47	.261	.0174	.0160	.0091	.4041	.8168
48	.267	.0130	.0140	.0072	.0072	.0132
49	.272	.0126	.0124	.0055	.0055	.0102
50	.278	.0113	.0110	.0041	.0041	.0076
51	.283	.0087	.0092	.0023	.0023	.0043
52	.289	.0080	.0077	.0009	.0009	.0016
53	.294	.0062	.0064	.0000	.0000	.0000
54	.300	.0054	.0058	.0000	.0000	.0000
55	.306	.0062	.0064	.0000	.0000	.0000
56	.311	.0087	.0083	.0015	.0015	.0027
57	.317	.0096	.0086	.0018	.0018	.0033
58	.322	.0065	.0067	.0000	.0000	.0000
59	.328	.0043	.0048	.0000	.0000	.0000
60	.333	.0040	.0041	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 8/11/56 AV. T= 7.9 RECORD = JMG098
HOUR = 3 SIG.HGT. = 22.1 UPPER HGT. = 23.8
TOTAL DF =245 CORR. VAR. = 30.6 LOWER HGT. = 20.6
NOISE LEVEL = .0064 WIND SPEED = 30

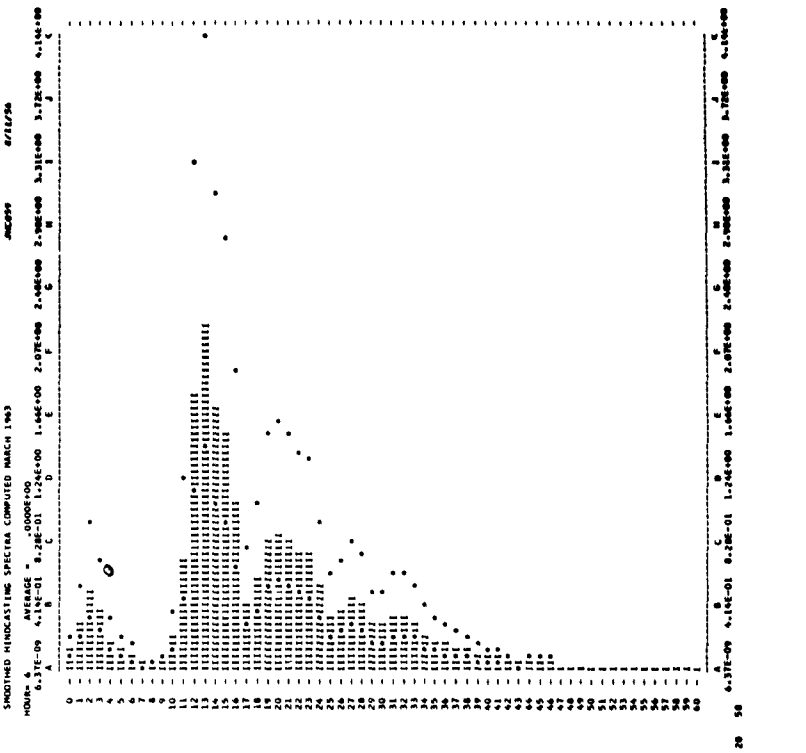
N	FRE.	UNIT=FT.2 FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1944	.1944	.1880	.3465	.1197
1	.006	.3900	.3900	.3836	.7070	.2443
2	.011	.4875	.4875	.4811	.8867	.3065
3	.017	.2893	.2893	.2829	.5214	.1801
4	.022	.1551	.1951	.1487	.2741	.0947
5	.028	.0948	.0948	.0884	.1629	.0563
6	.033	.0625	.0625	.0561	.0906	.0577
7	.039	.0598	.0598	.0534	.0736	.1352
8	.044	.0471	.0471	.0407	.0507	.0934
9	.050	.0703	.0703	.0639	.0751	.1383
10	.056	.1255	.1255	.1191	.1358	.2502
11	.061	.6025	.5961	.5897	.7731	1.2405
12	.067	1.8572	1.8572	1.8508	2.0894	3.8694
13	.072	2.4530	2.4530	2.4466	2.8251	5.2071
14	.078	1.8844	1.8844	1.8780	2.2292	4.1087
15	.083	1.4288	1.4288	1.4224	1.7501	3.2257
16	.089	1.3471	1.3471	1.3407	1.7221	3.1741
17	.094	1.2450	1.2450	1.2386	1.6726	3.0829
18	.100	.9547	.9547	.9483	1.3539	2.4954
19	.106	.6872	.6872	.6808	1.0040	1.8504
20	.111	.5865	.5865	.5801	.9097	1.6766
21	.117	.5170	.5170	.5106	.8907	1.6417
22	.122	.4158	.4158	.4094	.7708	1.4207
23	.128	.3495	.3495	.3431	.7004	1.2910
24	.133	.3139	.3139	.3075	.6840	1.2607
25	.139	.2992	.2992	.2928	.7129	1.3141
26	.144	.2373	.2373	.2309	.6180	1.1391
27	.150	.2561	.2561	.2497	.7372	1.3588
28	.156	.3317	.3317	.3253	1.0648	1.9621
29	.161	.2201	.2201	.2137	.7782	1.4343
30	.167	.1016	.1016	.0952	.3876	.7144
31	.172	.0897	.0897	.0833	.3805	.7010
32	.178	.0956	.0956	.0892	.4593	.8466
33	.183	.0860	.0860	.0796	.4632	.8538
34	.189	.0928	.0928	.0864	.5069	.9686
35	.194	.0221	.0221	.0227	.1711	.3154
36	.200	.0317	.0317	.0253	.2357	.4345
37	.206	.0425	.0425	.0361	.3580	.6599
38	.211	.0336	.0336	.0272	.3114	.5739
39	.217	.0197	.0197	.0133	.1765	.3253
40	.222	.0202	.0210	.0147	.2280	.4166
41	.228	.0261	.0231	.0167	.3004	.5536
42	.233	.0239	.0229	.0165	.3478	.6411
43	.239	.0196	.0195	.0131	.3260	.6009
44	.244	.0150	.0149	.0086	.2804	.5168
45	.250	.0147	.0148	.0084	.2864	.5278
46	.256	.0151	.0147	.0083	.3692	.6762
47	.261	.0144	.0146	.0082	.0642	.0151
48	.267	.0147	.0145	.0082	.0082	.0150
49	.272	.0143	.0143	.0082	.0082	.0152
50	.278	.0139	.0142	.0082	.0082	.0114
51	.283	.0085	.0086	.0023	.0023	.0042
52	.289	.0044	.0054	.0000	.0000	.0000
53	.294	.0043	.0050	.0000	.0000	.0000
54	.300	.0068	.0063	.0000	.0000	.0000
55	.306	.0073	.0068	.0004	.0004	.0007
56	.311	.0058	.0061	.0000	.0000	.0000
57	.317	.0055	.0057	.0000	.0000	.0000
58	.322	.0049	.0060	.0000	.0000	.0000
59	.328	.0068	.0064	.0004	.0004	.0007
60	.333	.0076	.0072	.0008	.0008	.0015



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 8/11/56 AV. T= 8.9 RECORD = JHC039
HOUR = 6 SIG.HGT. = 16.3 UPPER HGT. = 19.8
TOTAL DF =207 CORR. VAR. = 20.9 LOWER HGT. = 16.9
NOISE LEVEL = .0070 WIND SPEED = 20

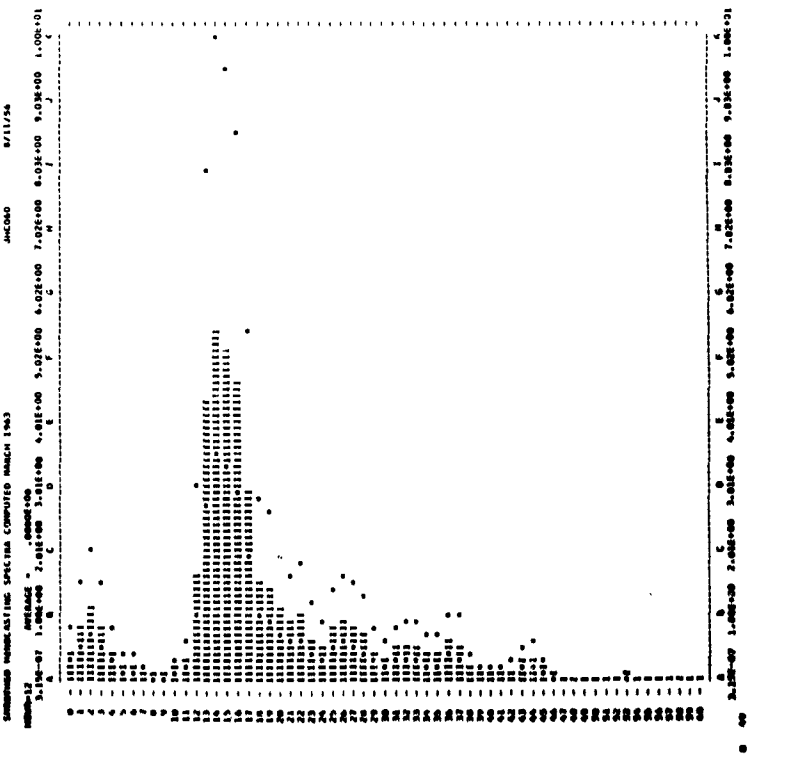
N	FRQ.	UNIT=FT.2 FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1294	.1294	.1184	.2182	.0754
1	.006	.3084	.3084	.3014	.5955	.1919
2	.011	.5128	.5128	.5008	.9822	.3220
3	.017	.3823	.3823	.3753	.6917	.2389
4	.022	.1894	.1894	.1784	.3287	.1136
5	.028	.1165	.1165	.1095	.2018	.0697
6	.033	.0660	.0660	.0930	.1977	.0965
7	.039	.0297	.0297	.0227	.0311	.0574
8	.044	.0190	.0190	.0120	.0149	.0279
9	.050	.0436	.0436	.0366	.0429	.0782
10	.056	.1792	.1792	.1722	.1962	.3617
11	.061	.6128	.6128	.6058	.6860	1.2607
12	.067	1.9919	1.9919	1.9849	1.7977	3.3134
13	.072	1.9513	1.9513	1.9443	2.2650	4.1879
14	.078	1.4287	1.4287	1.4217	1.6879	3.1103
15	.083	1.2460	1.2460	1.2390	1.5264	2.8097
16	.089	.8356	.8356	.8286	1.0643	1.9616
17	.094	.3236	.3236	.3166	.4275	.7879
18	.100	.4137	.4137	.4067	.5806	1.0701
19	.106	.5980	.5980	.5910	.8571	1.5829
20	.111	.5519	.5519	.5449	.8069	1.4870
21	.117	.4833	.4833	.4763	.6808	1.5313
22	.122	.4134	.4134	.4064	.7651	1.4102
23	.128	.3649	.3649	.3579	.7306	1.3466
24	.133	.2440	.2440	.2370	.5271	.9715
25	.139	.1466	.1466	.1396	.3398	.6263
26	.144	.1486	.1486	.1416	.3789	.6986
27	.150	.1624	.1624	.1554	.4587	.8454
28	.156	.1313	.1313	.1243	.4066	.7495
29	.161	.0837	.0837	.0767	.2782	.5145
30	.167	.0745	.0745	.0675	.2747	.5063
31	.172	.0788	.0788	.0718	.3276	.6039
32	.178	.0737	.0737	.0667	.3432	.6327
33	.183	.0574	.0574	.0504	.2931	.5402
34	.189	.0398	.0398	.0328	.2167	.3994
35	.194	.0307	.0307	.0237	.1784	.3288
36	.200	.0242	.0242	.0172	.1482	.2731
37	.206	.0202	.0202	.0132	.1305	.2406
38	.211	.0165	.0165	.0095	.1083	.1996
39	.217	.0132	.0132	.0062	.0818	.1507
40	.222	.0121	.0120	.0050	.0773	.1425
41	.228	.0108	.0106	.0036	.0642	.1183
42	.233	.0087	.0090	.0020	.0420	.0773
43	.239	.0079	.0083	.0012	.0307	.0566
44	.244	.0086	.0084	.0013	.0393	.0724
45	.250	.0084	.0084	.0013	.0466	.0858
46	.256	.0081	.0080	.0010	.0399	.0735
47	.261	.0074	.0071	.0000	.0019	.0034
48	.267	.0054	.0051	.0000	.0000	.0000
49	.272	.0038	.0045	.0000	.0000	.0000
50	.278	.0044	.0050	.0000	.0000	.0000
51	.283	.0065	.0063	.0000	.0000	.0000
52	.289	.0074	.0074	.0004	.0008	.0003
53	.294	.0085	.0080	.0010	.0018	.0006
54	.300	.0076	.0076	.0006	.0011	.0004
55	.306	.0069	.0069	.0000	.0000	.0000
56	.311	.0061	.0062	.0000	.0000	.0000
57	.317	.0058	.0062	.0000	.0000	.0000
58	.322	.0073	.0070	.0000	.0000	.0000
59	.328	.0076	.0073	.0003	.0006	.0002
60	.333	.0069	.0072	.0002	.0004	.0001



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 8/11/56 AV. T= 9.0 RECORD = JHC040
HOUR = 12 SIG.HGT. = 24.7 UPPER HGT. = 29.3
TOTAL DF =162 CORR. VAR. = 44.7 LOWER HGT. = 24.4
NOISE LEVEL = .0108 WIND SPEED = 20

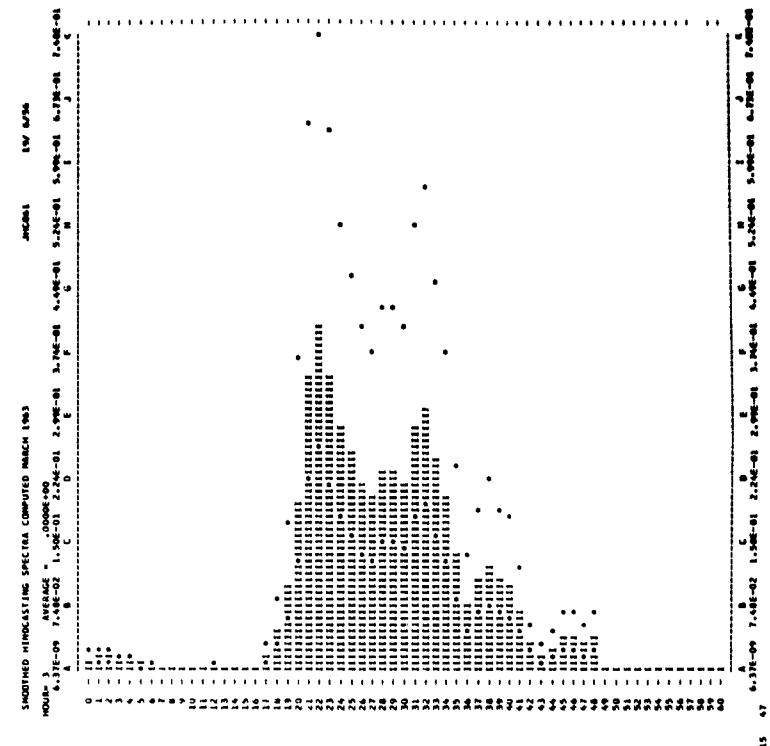
N	FRQ.	UNIT=FT.2 FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.4203	.4203	.4095	.7548	.2608
1	.006	.8061	.8061	.7953	1.4659	.5064
2	.011	1.1112	1.1112	1.1004	2.0283	.7007
3	.017	.8322	.8322	.8214	1.5140	.5230
4	.022	.4518	.4518	.4410	.8129	.2808
5	.028	.2177	.2177	.2069	.3814	.1318
6	.033	.1542	.1542	.1434	.2317	.4271	.1476
7	.039	.0890	.0890	.0782	.1075	.1981	.0684
8	.044	.0571	.0571	.0463	.0577	.1063	.0367
9	.050	.0739	.0739	.0631	.0742	.1367	.0472
10	.056	.1736	.1736	.1628	.1856	.3421	.1182
11	.061	.3210	.3210	.3102	.3503	.6456	.2230
12	.067	1.4485	1.4485	1.4377	1.6535	3.0477	1.0529
13	.072	3.7283	3.7283	3.7175	4.2926	7.9120	2.7333
14	.078	4.5972	4.5972	4.5864	5.4461	10.0343	3.4665
15	.083	4.2023	4.2023	4.1915	5.1573	9.5054	3.2838
16	.089	3.6069	3.6069	3.5961	4.8192	8.5139	2.9412
17	.094	2.1718	2.1718	2.1610	2.9183	5.3788	1.8582
18	.100	1.0956	1.0956	1.0848	1.5488	2.8547	.9862
19	.106	.9288	.9288	.9180	1.3948	2.5708	.8881
20	.111	.6599	.6599	.6491	1.0563	1.9431	.6715
21	.117	.5205	.5205	.5097	.8492	1.6389	.5662
22	.122	.5349	.5349	.5241	.9868	1.8189	.6284
23	.128	.3186	.3186	.3078	.6286	1.1583	.4001
24	.133	.2247	.2247	.2139	.4798	.8771	.3030
25	.139	.3258	.3258	.3150	.7671	1.4138	.4884
26	.144	.3381	.3381	.3273	.8761	1.6148	.5578
27	.150	.2783	.2783	.2675	.7898	1.4558	.5029
28	.156	.2191	.2191	.2083	.6810	1.2546	.4361
29	.161	.1307	.1307	.1199	.4367	.8049	.2781
30	.167	.0965	.0965	.0857	.3490	.6433	.2222
31	.172	.1101	.1101	.0993	.4535	.8358	.2887
32	.178	.1111	.1111	.1003	.5166	.9522	.3289
33	.183	.0991	.0991	.0883	.5140	.9474	.3273
34	.189	.0700	.0700	.0592	.3917	.7220	.2494
35	.194	.0604	.0604	.0496	.3741	.6896	.2382
36	.200	.0749	.0749	.0641	.5537	1.0205	.3526
37	.206	.0638	.0638	.0532	.5180	.9547	.3298
38	.211	.0319	.0319	.0207	.2373	.4373	.1511
39	.217	.0206	.0206	.0098	.1304	.2404	.0831
40	.222	.0198	.0183	.0076	.1169	.2155	.0744
41	.228	.0132	.0196	.0067	.0838	.1545	.0534
42	.233	.0189	.0176	.0046	.1396	.2570	.0888
43	.239	.0253	.0221	.0114	.2826	.5209	.1800
44	.244	.0225	.0213	.0105	.3091	.5697	.1968
45	.250	.0149	.0162	.0054	.1881	.3468	.1198
46	.256	.0126	.0123	.0015	.0826	.1522	.0526
47	.261	.0094	.0094	.0000	.0000	.0000	.0000
48	.267	.0073	.0083	.0000	.0000	.0000	.0000
49	.272	.0094	.0093	.0000	.0000	.0000	.0000
50	.278	.0128	.0108	.0001	.0000	.0000	.0000
51	.283	.0099	.0109	.0000	.0000	.0000	.0000
52	.289	.0106	.0108	.0001	.0002	.0001	.0000
53	.294	.0127	.0112	.0003	.0005	.0001	.0000
54	.300	.0098	.0098	.0000	.0000	.0000	.0000
55	.306	.0072	.0081	.0000	.0000	.0000	.0000
56	.311	.0089	.0089	.0000	.0000	.0000	.0000
57	.317	.0107	.0107	.0000	.0000	.0000	.0000
58	.322	.0124	.0121	.0014	.0026	.0009	.0003
59	.328	.0130	.0120	.0008	.0015	.0005	.0002
60	.333	.0127	.0120	.0007	.0013	.0004	.0002



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 19/ 6/56 AV. T= 6.2 RECORD = JHC061
HOUR = 3 SIG.HGT. = 9.0 UPPER HGT. = 9.8
TOTAL OF =217 CORR. VAR. = 5.1 LOWER HGT. = 8.4
NOISE LEVEL = .0021 WIND SPEED = 0

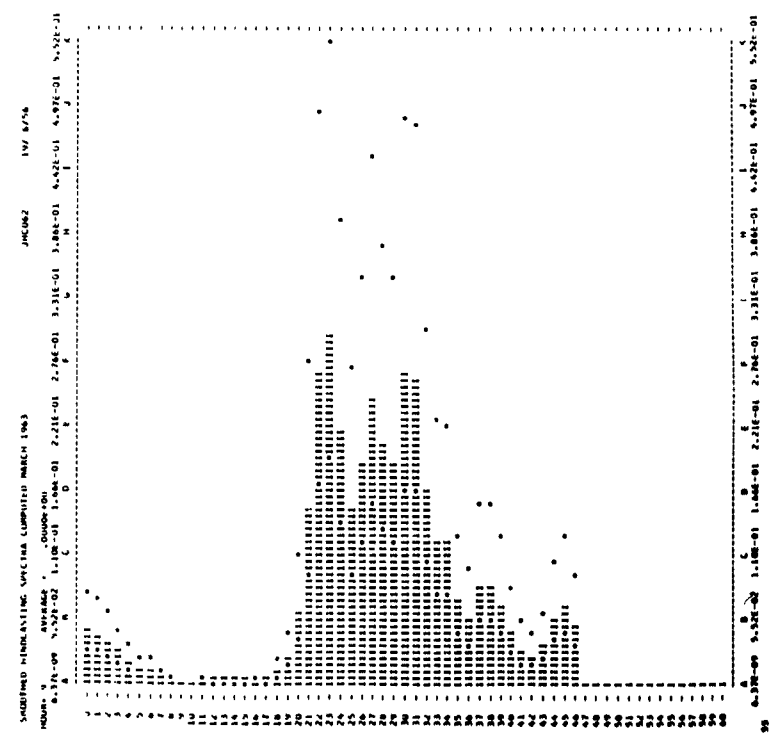
N	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0132	.0132	.0111	.0111	.0304	.0071
1	.006	.0191	.0191	.0170	.0170	.0240	.0083
2	.011	.0191	.0191	.0170	.0170	.0240	.0083
3	.017	.0121	.0121	.0100	.0100	.0184	.0044
4	.022	.0091	.0091	.0070	.0070	.0129	.0048
5	.028	.0060	.0060	.0039	.0039	.0072	.0029
6	.033	.0039	.0039	.0018	.0029	.0053	.0018
7	.039	.0022	.0022	.0001	.0001	.0002	.0001
8	.044	.0016	.0016	.0000	.0000	.0000	.0000
9	.050	.0020	.0020	.0000	.0000	.0000	.0000
10	.056	.0027	.0027	.0006	.0007	.0013	.0004
11	.061	.0035	.0035	.0014	.0016	.0029	.0010
12	.067	.0039	.0039	.0018	.0020	.0038	.0013
13	.072	.0032	.0032	.0011	.0013	.0025	.0008
14	.078	.0029	.0029	.0008	.0009	.0017	.0006
15	.083	.0032	.0032	.0011	.0013	.0025	.0009
16	.089	.0035	.0035	.0014	.0018	.0035	.0011
17	.094	.0134	.0134	.0113	.0193	.0281	.0097
18	.100	.0342	.0342	.0321	.0458	.0845	.0292
19	.106	.0648	.0648	.0619	.0962	.1733	.0599
20	.111	.1240	.1219	.1190	.1980	.3649	.1261
21	.117	.2011	.1990	.3471	.6398	.2210	
22	.122	.2177	.2177	.2156	.4059	.7482	.2585
23	.128	.1705	.1705	.1684	.3438	.6336	.2189
24	.133	.1306	.1306	.1285	.2588	.4770	.1820
25	.139	.1094	.1094	.1033	.2319	.4636	.1601
26	.144	.0833	.0833	.0812	.2173	.4006	.1384
27	.150	.0715	.0715	.0694	.2049	.3776	.1309
28	.156	.0728	.0707	.0686	.2313	.4264	.1473
29	.161	.0660	.0660	.0639	.2327	.4288	.1481
30	.167	.0987	.0987	.0536	.2182	.4022	.1389
31	.172	.0647	.0647	.0626	.2058	.9267	.1820
32	.178	.0617	.0617	.0596	.3069	.5656	.1954
33	.183	.0468	.0468	.0427	.2484	.4579	.1582
34	.189	.0329	.0325	.0304	.2010	.3705	.1280
35	.194	.0195	.0195	.0174	.1311	.2417	.0835
36	.200	.0105	.0105	.0084	.0729	.1336	.0462
37	.206	.0123	.0123	.0102	.1011	.1863	.0644
38	.211	.0126	.0126	.0105	.1201	.2214	.0765
39	.217	.0098	.0098	.0077	.1021	.1882	.0650
40	.222	.0090	.0083	.0062	.0959	.1768	.0611
41	.228	.0055	.0057	.0036	.0656	.1210	.0418
42	.233	.0030	.0035	.0014	.0300	.0552	.0191
43	.239	.0026	.0028	.0007	.0166	.0307	.0106
44	.244	.0029	.0029	.0008	.0241	.0444	.0153
45	.250	.0033	.0031	.0010	.0355	.0654	.0226
46	.256	.0030	.0029	.0008	.0350	.0646	.0223
47	.261	.0025	.0027	.0006	.0282	.0521	.0180
48	.267	.0027	.0027	.0006	.0303	.0707	.0244
49	.272	.0031	.0029	.0008	.0008	.0014	.0005
50	.278	.0029	.0027	.0006	.0006	.0011	.0004
51	.283	.0019	.0020	.0000	.0000	.0000	.0000
52	.289	.0014	.0016	.0000	.0000	.0000	.0000
53	.294	.0017	.0017	.0000	.0000	.0000	.0000
54	.300	.0020	.0020	.0000	.0000	.0000	.0000
55	.306	.0023	.0023	.0002	.0002	.0005	.0002
56	.311	.0028	.0026	.0005	.0005	.0009	.0003
57	.317	.0025	.0024	.0003	.0003	.0006	.0002
58	.322	.0019	.0021	.0000	.0000	.0000	.0000
59	.328	.0020	.0021	.0000	.0000	.0000	.0000
60	.333	.0024	.0022	.0001	.0001	.0002	.0001



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 19/ 6/56 AV. T= 6.2 RECORD = JHC062
HOUR = 9 SIG.HGT. = 7.8 UPPER HGT. = 8.5
TOTAL OF =217 CORR. VAR. = 3.8 LOWER HGT. = 7.2
NOISE LEVEL = .0014 WIND SPEED = 15

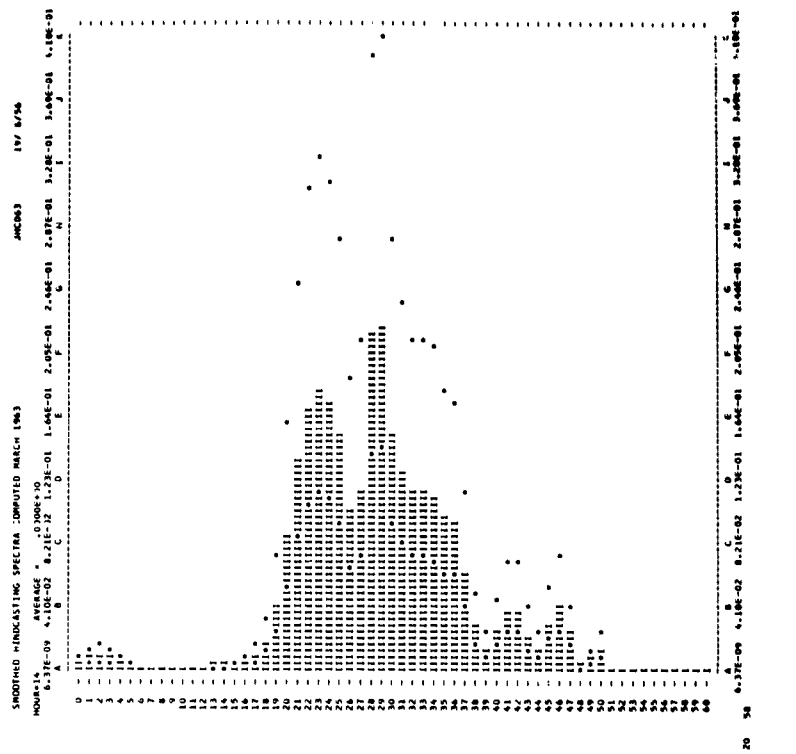
N	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0441	.0441	.0427	.0427	.0787	.0272
1	.006	.0412	.0412	.0398	.0398	.0733	.0253
2	.011	.0355	.0355	.0341	.0341	.0628	.0217
3	.017	.0267	.0267	.0253	.0253	.0466	.0161
4	.022	.0188	.0188	.0174	.0174	.0320	.0111
5	.028	.0145	.0145	.0131	.0131	.0241	.0083
6	.033	.0097	.0097	.0083	.0134	.0246	.0085
7	.039	.0059	.0059	.0045	.0061	.0113	.0039
8	.044	.0032	.0032	.0018	.0022	.0041	.0014
9	.050	.0020	.0020	.0006	.0007	.0012	.0004
10	.056	.0021	.0021	.0007	.0008	.0014	.0005
11	.061	.0032	.0032	.0018	.0020	.0037	.0013
12	.067	.0045	.0045	.0031	.0035	.0064	.0022
13	.072	.0044	.0044	.0030	.0034	.0063	.0022
14	.078	.0042	.0042	.0028	.0033	.0061	.0021
15	.083	.0043	.0043	.0029	.0035	.0065	.0023
16	.089	.0035	.0035	.0021	.0027	.0049	.0017
17	.094	.0036	.0036	.0022	.0029	.0054	.0019
18	.100	.0092	.0092	.0078	.0111	.0205	.0071
19	.106	.0172	.0172	.0158	.0240	.0442	.0153
20	.111	.0379	.0365	.0345	.0592	.1092	.0377
21	.117	.0876	.0876	.0862	.1503	.2771	.0957
22	.122	.1435	.1435	.1421	.2675	.4930	.1703
23	.128	.1481	.1481	.1467	.2996	.5521	.1907
24	.133	.0980	.0980	.0966	.2148	.3959	.1368
25	.139	.0616	.0616	.0602	.1465	.2700	.0933
26	.144	.0715	.0715	.0701	.1875	.3457	.1194
27	.150	.0843	.0843	.0829	.2447	.4510	.1558
28	.156	.0640	.0640	.0626	.2048	.3774	.1304
29	.161	.0539	.0539	.0521	.1896	.3495	.1207
30	.167	.0659	.0659	.0645	.2625	.4838	.1671
31	.172	.0586	.0586	.0572	.2610	.4811	.1662
32	.178	.0337	.0337	.0323	.1662	.3063	.1058
33	.183	.0224	.0210	.0196	.1220	.2249	.0777
34	.189	.0196	.0196	.0182	.1202	.2215	.0765
35	.194	.0107	.0107	.0093	.0699	.1288	.0445
36	.200	.0077	.0077	.0063	.0562	.0998	.0349
37	.206	.0098	.0098	.0084	.0830	.1530	.0529
38	.211	.0087	.0087	.0073	.0832	.1534	.0530
39	.217	.0066	.0066	.0052	.0686	.1265	.0437
40	.222	.0062	.0044	.0030	.0462	.0852	.0294
41	.228	.0057	.0050	.0016	.0288	.0530	.0183
42	.233	.0029	.0029	.0011	.0237	.0437	.0151
43	.239	.0029	.0028	.0013	.0335	.0617	.0213
44	.244	.0036	.0033	.0019	.0566	.1040	.0359
45	.250	.0037	.0036	.0019	.0678	.1249	.0432
46	.256	.0029	.0027	.0012	.0517	.0953	.0329
47	.261	.0020	.0021	.0007	.0007	.0013	.0005
48	.267	.0021	.0020	.0006	.0006	.0011	.0004
49	.272	.0018	.0019	.0005	.0005	.0009	.0003
50	.278	.0019	.0020	.0006	.0008	.0011	.0004
51	.283	.0024	.0021	.0007	.0007	.0013	.0004
52	.289	.0018	.0018	.0004	.0004	.0007	.0002
53	.294	.0012	.0016	.0000	.0000	.0000	.0000
54	.300	.0013	.0013	.0000	.0000	.0000	.0000
55	.306	.0014	.0013	.0000	.0000	.0000	.0000
56	.311	.0012	.0012	.0000	.0000	.0000	.0000
57	.317	.0009	.0010	.0000	.0000	.0000	.0000
58	.322	.0009	.0010	.0000	.0000	.0000	.0000
59	.328	.0015	.0016	.0000	.0000	.0000	.0000
60	.333	.0019	.0017	.0003	.0003	.0005	.0002



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 19/ 6/56 AV. T= 6.1 RECORD = JHC063
HOUR = 14 SIG.HGT. = 6.7 UPPER HGT. = 7.3
TOTAL OF =216 CORR. VAR. = 2.8 LOWER HGT. = 6.2
NOISE LEVEL = .0016 WIND SPEED = 15

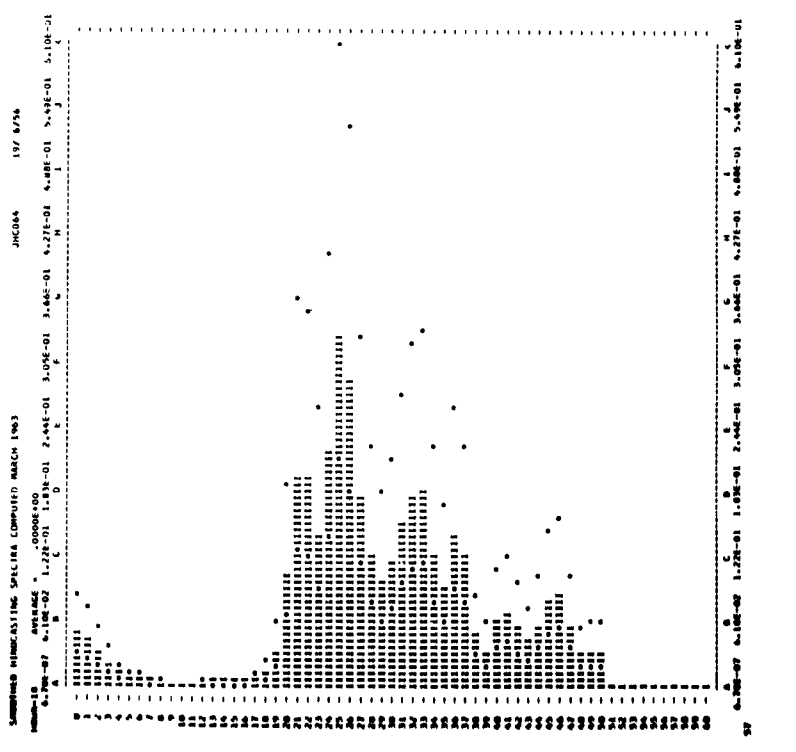
M	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0065	.0065	.0069	.0069	.0091	.0031
1	.006	.0092	.0092	.0076	.0076	.0141	.0049
2	.011	.0111	.0111	.0095	.0095	.0176	.0061
3	.017	.0091	.0091	.0075	.0075	.0139	.0048
4	.022	.0063	.0063	.0067	.0067	.0087	.0030
5	.028	.0036	.0036	.0020	.0020	.0038	.0013
6	.033	.0019	.0019	.0003	.0006	.0010	.0004
7	.039	.0010	.0010	.0000	.0000	.0000	.0000
8	.044	.0009	.0009	.0000	.0000	.0000	.0000
9	.050	.0013	.0013	.0000	.0000	.0000	.0000
10	.056	.0013	.0013	.0000	.0000	.0000	.0000
11	.061	.0009	.0009	.0000	.0000	.0000	.0000
12	.067	.0013	.0013	.0000	.0000	.0000	.0000
13	.072	.0036	.0036	.0020	.0024	.0043	.0015
14	.078	.0039	.0039	.0023	.0028	.0051	.0018
15	.083	.0026	.0026	.0010	.0013	.0024	.0008
16	.089	.0045	.0045	.0029	.0038	.0070	.0024
17	.094	.0076	.0076	.0058	.0079	.0145	.0050
18	.100	.0143	.0143	.0127	.0182	.0335	.0116
19	.106	.0284	.0284	.0268	.0408	.0752	.0260
20	.111	.0548	.0548	.0532	.0865	.1594	.0551
21	.117	.0789	.0789	.0783	.1367	.2519	.0870
22	.122	.0910	.0910	.0894	.1684	.3104	.1072
23	.128	.0903	.0903	.0887	.1812	.3339	.1154
24	.133	.0790	.0790	.0774	.1723	.3175	.1097
25	.139	.0636	.0636	.0618	.1506	.2775	.0959
26	.144	.0397	.0397	.0381	.1021	.1882	.0650
27	.150	.0404	.0404	.0388	.1147	.2114	.0730
28	.156	.0678	.0678	.0662	.2168	.3996	.1380
29	.161	.0627	.0627	.0611	.2226	.4104	.1418
30	.167	.0387	.0387	.0371	.1512	.2787	.0963
31	.172	.0296	.0296	.0280	.1280	.2360	.0815
32	.178	.0241	.0241	.0225	.1161	.2139	.0739
33	.183	.0216	.0216	.0200	.1146	.2150	.0743
34	.189	.0186	.0186	.0170	.1127	.2077	.0718
35	.194	.0147	.0147	.0131	.0991	.1826	.0631
36	.200	.0125	.0125	.0109	.0945	.1741	.0602
37	.206	.0078	.0078	.0062	.0819	.1141	.0394
38	.211	.0039	.0039	.0023	.0248	.0494	.0171
39	.217	.0025	.0025	.0009	.0125	.0231	.0080
40	.222	.0029	.0031	.0015	.0234	.0431	.0149
41	.228	.0040	.0036	.0021	.0372	.0686	.0237
42	.233	.0036	.0033	.0018	.0378	.0697	.0241
43	.239	.0022	.0024	.0009	.0215	.0397	.0137
44	.244	.0017	.0020	.0005	.0137	.0253	.0087
45	.250	.0025	.0024	.0008	.0293	.0541	.0187
46	.256	.0029	.0025	.0010	.0411	.0758	.0262
47	.261	.0019	.0020	.0005	.0232	.0427	.0147
48	.267	.0014	.0016	.0000	.0025	.0047	.0016
49	.272	.0017	.0016	.0001	.0066	.0122	.0042
50	.278	.0018	.0017	.0001	.0123	.0227	.0079
51	.283	.0015	.0015	.0000	.0000	.0000	.0000
52	.289	.0012	.0013	.0000	.0000	.0000	.0000
53	.294	.0013	.0013	.0000	.0000	.0000	.0000
54	.300	.0015	.0015	.0000	.0000	.0000	.0000
55	.306	.0019	.0019	.0003	.0003	.0006	.0002
56	.311	.0023	.0020	.0005	.0005	.0009	.0003
57	.317	.0017	.0017	.0002	.0002	.0004	.0001
58	.322	.0013	.0014	.0000	.0000	.0000	.0000
59	.328	.0014	.0014	.0000	.0000	.0000	.0000
60	.333	.0014	.0014	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 19/ 6/56 AV. T= 5.8 RECORD = JHC064
HOUR = 18 SIG.HGT. = 7.9 UPPER HGT. = 8.5
TOTAL OF =247 CORR. VAR. = 3.9 LOWER HGT. = 7.3
NOISE LEVEL = .0014 WIND SPEED = 20

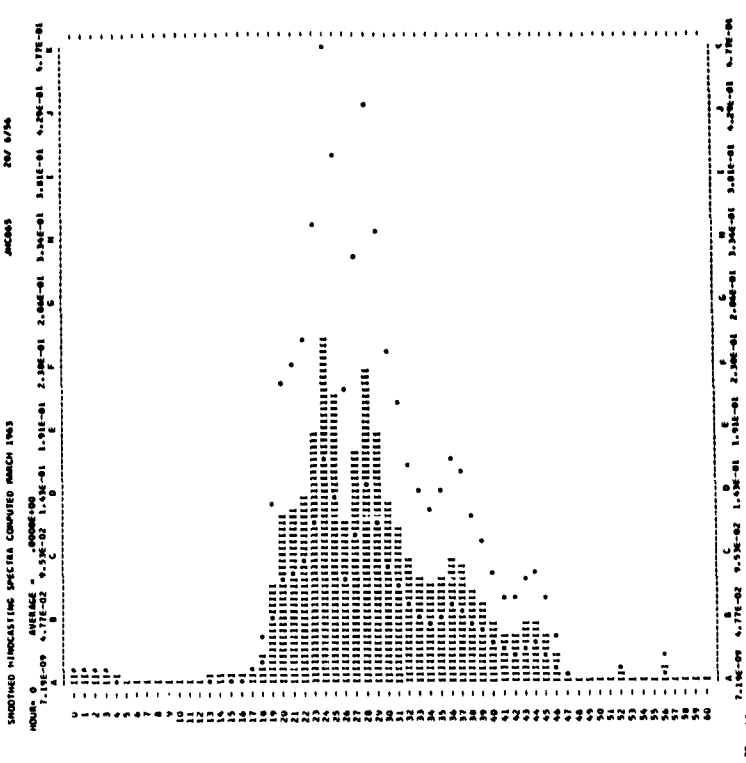
M	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0473	.0473	.0459	.0459	.0846	.0292
1	.006	.0423	.0423	.0409	.0409	.0754	.0261
2	.011	.0308	.0308	.0294	.0294	.0542	.0187
3	.017	.0197	.0197	.0183	.0183	.0338	.0117
4	.022	.0114	.0114	.0100	.0100	.0185	.0064
5	.028	.0065	.0065	.0051	.0051	.0094	.0033
6	.033	.0054	.0054	.0040	.0065	.0120	.0041
7	.039	.0045	.0045	.0031	.0043	.0079	.0027
8	.044	.0029	.0029	.0015	.0019	.0035	.0012
9	.050	.0026	.0026	.0012	.0014	.0026	.0009
10	.056	.0025	.0025	.0011	.0013	.0023	.0008
11	.061	.0024	.0024	.0010	.0011	.0021	.0007
12	.067	.0034	.0034	.0020	.0023	.0042	.0015
13	.072	.0046	.0046	.0032	.0037	.0068	.0024
14	.078	.0049	.0049	.0035	.0042	.0077	.0027
15	.083	.0039	.0039	.0025	.0031	.0057	.0020
16	.089	.0038	.0038	.0024	.0031	.0057	.0020
17	.094	.0053	.0053	.0039	.0053	.0098	.0034
18	.100	.0099	.0099	.0085	.0122	.0224	.0077
19	.106	.0233	.0233	.0219	.0333	.0614	.0212
20	.111	.0665	.0665	.0631	.1025	.1889	.0653
21	.117	.1149	.1149	.1135	.1980	.3650	.1261
22	.122	.1037	.1037	.1023	.1926	.3551	.1227
23	.128	.0703	.0703	.0689	.1607	.2593	.0896
24	.133	.1008	.1008	.0994	.2211	.4076	.1408
25	.139	.1372	.1372	.1358	.3307	.6095	.2106
26	.144	.1086	.1086	.1072	.2870	.5289	.1827
27	.150	.0620	.0620	.0606	.1790	.3299	.1140
28	.156	.0392	.0392	.0378	.1238	.2281	.0788
29	.161	.0285	.0285	.0271	.0987	.1820	.0629
30	.167	.0298	.0298	.0284	.1157	.2133	.0737
31	.172	.0342	.0342	.0328	.1498	.2761	.0954
32	.178	.0356	.0342	.0342	.1762	.3247	.1122
33	.183	.0328	.0328	.0314	.1828	.3370	.1164
34	.189	.0199	.0199	.0185	.1225	.2257	.0780
35	.194	.0136	.0136	.0122	.0921	.1698	.0586
36	.200	.0179	.0179	.0165	.1426	.2628	.0908
37	.206	.0136	.0136	.0122	.1212	.2233	.0771
38	.211	.0054	.0054	.0040	.0463	.0848	.0293
39	.217	.0039	.0039	.0025	.0334	.0616	.0213
40	.222	.0055	.0051	.0038	.0581	.1071	.0370
41	.228	.0057	.0051	.0037	.0670	.1234	.0426
42	.233	.0035	.0038	.0024	.0521	.0960	.0332
43	.239	.0027	.0030	.0016	.0408	.0752	.0260
44	.244	.0032	.0032	.0019	.0548	.1010	.0349
45	.250	.0039	.0037	.0023	.0867	.1487	.0514
46	.256	.0038	.0034	.0021	.0859	.1579	.0546
47	.261	.0023	.0025	.0011	.0566	.1043	.0360
48	.267	.0017	.0019	.0005	.0318	.0587	.0203
49	.272	.0019	.0018	.0005	.0334	.0617	.0213
50	.278	.0019	.0017	.0004	.0318	.0587	.0203
51	.283	.0013	.0013	.0000	.0000	.0000	.0000
52	.289	.0008	.0009	.0000	.0000	.0000	.0000
53	.294	.0006	.0009	.0000	.0000	.0000	.0000
54	.300	.0013	.0012	.0000	.0000	.0000	.0000
55	.306	.0015	.0013	.0000	.0000	.0000	.0000
56	.311	.0011	.0011	.0000	.0000	.0000	.0000
57	.317	.0009	.0011	.0000	.0000	.0000	.0000
58	.322	.0015	.0015	.0001	.0001	.0003	.0001
59	.328	.0022	.0020	.0007	.0007	.0012	.0004
60	.333	.0023	.0022	.0009	.0009	.0016	.0006



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 20/ 6/56 AV. T= 6.1 RECORD = JHC065
HOUR = 0 SIG.HGT. = 7.0 UPPER HGT. = 7.5
TOTAL DF =213 CORR. VAR. = 3.0 LOWER HGT. = 6.4
NOISE LEVEL = .0012 WIND SPEED = 20

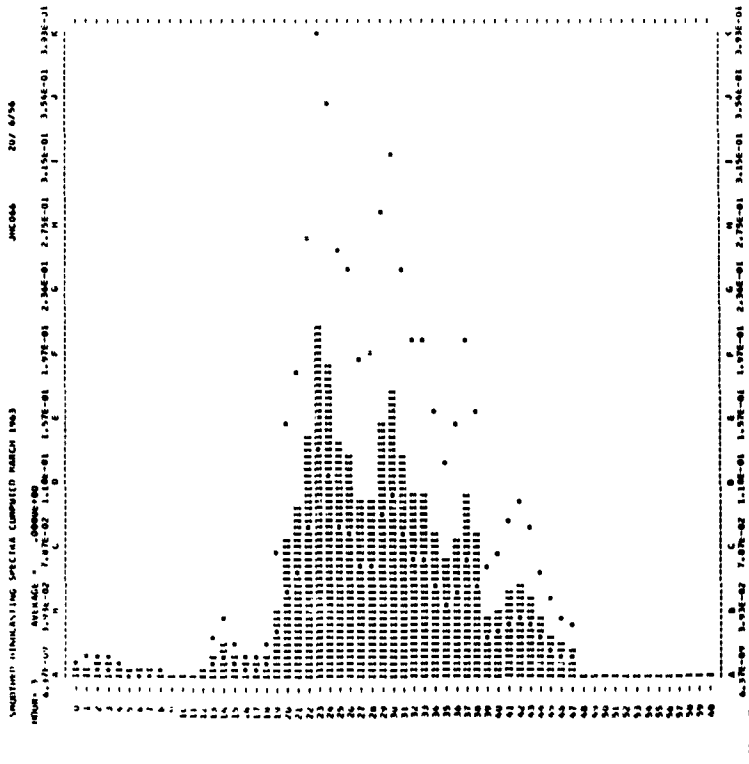
M	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0078	.0078	.0058	.0058	.0100	.0037
1	.006	.0064	.0064	.0052	.0052	.0096	.0033
2	.011	.0056	.0056	.0044	.0044	.0082	.0028
3	.017	.0053	.0053	.0041	.0041	.0076	.0026
4	.022	.0043	.0043	.0031	.0031	.0058	.0020
5	.028	.0026	.0026	.0012	.0012	.0023	.0008
6	.033	.0019	.0019	.0005	.0005	.0010	.0003
7	.039	.0013	.0013	.0001	.0002	.0003	.0001
8	.044	.0013	.0013	.0001	.0002	.0003	.0001
9	.050	.0010	.0010	.0000	.0000	.0000	.0000
10	.056	.0008	.0008	.0000	.0000	.0000	.0000
11	.061	.0008	.0008	.0000	.0000	.0000	.0000
12	.067	.0019	.0019	.0007	.0008	.0015	.0005
13	.072	.0039	.0039	.0027	.0032	.0058	.0020
14	.078	.0064	.0064	.0032	.0038	.0071	.0024
15	.083	.0036	.0036	.0024	.0030	.0055	.0019
16	.089	.0035	.0035	.0021	.0030	.0055	.0019
17	.094	.0049	.0049	.0033	.0045	.0083	.0029
18	.100	.0167	.0167	.0133	.0193	.0356	.0123
19	.106	.0404	.0404	.0402	.0733	.1351	.0467
20	.111	.0760	.0760	.0768	.1215	.2240	.0774
21	.117	.0751	.0751	.0739	.1200	.2377	.0821
22	.122	.0794	.0794	.0762	.1398	.2578	.0890
23	.128	.0926	.0926	.0914	.1867	.3440	.1189
24	.133	.1174	.1174	.1162	.2585	.4765	.1646
25	.139	.0898	.0898	.0886	.2198	.3978	.1374
26	.144	.0692	.0692	.0660	.1179	.2172	.0750
27	.150	.0595	.0595	.0583	.1722	.3174	.1097
28	.156	.0732	.0732	.0720	.2357	.4345	.1501
29	.161	.0518	.0518	.0506	.1844	.3398	.1174
30	.167	.0345	.0345	.0333	.1357	.2501	.0864
31	.172	.0260	.0260	.0248	.1134	.2090	.0722
32	.178	.0184	.0184	.0172	.0887	.1635	.0565
33	.183	.0143	.0143	.0131	.0766	.1408	.0487
34	.189	.0118	.0118	.0106	.0703	.1296	.0448
35	.194	.0114	.0114	.0102	.0771	.1422	.0491
36	.200	.0116	.0116	.0104	.0901	.1660	.0574
37	.206	.0097	.0097	.0085	.0846	.1560	.0539
38	.211	.0070	.0070	.0058	.0648	.1230	.0425
39	.217	.0054	.0054	.0042	.0562	.1035	.0358
40	.222	.0041	.0041	.0029	.0472	.0834	.0288
41	.228	.0028	.0031	.0019	.0344	.0633	.0219
42	.233	.0026	.0027	.0016	.0329	.0606	.0209
43	.239	.0029	.0028	.0016	.0405	.0747	.0258
44	.244	.0028	.0026	.0015	.0435	.0802	.0277
45	.250	.0021	.0021	.0010	.0333	.0614	.0212
46	.256	.0019	.0018	.0004	.0169	.0311	.0108
47	.261	.0012	.0012	.0000	.0016	.0030	.0010
48	.267	.0009	.0010	.0000	.0000	.0000	.0000
49	.272	.0009	.0009	.0000	.0000	.0000	.0000
50	.278	.0010	.0010	.0000	.0000	.0000	.0000
51	.283	.0010	.0011	.0000	.0000	.0000	.0000
52	.289	.0013	.0012	.0000	.0042	.0077	.0027
53	.294	.0012	.0011	.0000	.0000	.0000	.0000
54	.300	.0007	.0008	.0000	.0000	.0000	.0000
55	.306	.0008	.0009	.0000	.0000	.0000	.0000
56	.311	.0013	.0012	.0000	.0096	.0176	.0061
57	.317	.0016	.0013	.0001	.0001	.0002	.0001
58	.322	.0010	.0012	.0000	.0000	.0000	.0000
59	.328	.0013	.0013	.0002	.0002	.0003	.0001
60	.333	.0018	.0015	.0004	.0004	.0007	.0002



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 20/ 6/56 AV. T= 6.0 RECORD = JHC066
HOUR = 3 SIG.HGT. = 6.7 UPPER HGT. = 7.2
TOTAL DF =240 CORR. VAR. = 2.8 LOWER HGT. = 6.2
NOISE LEVEL = .0007 WIND SPEED = 20

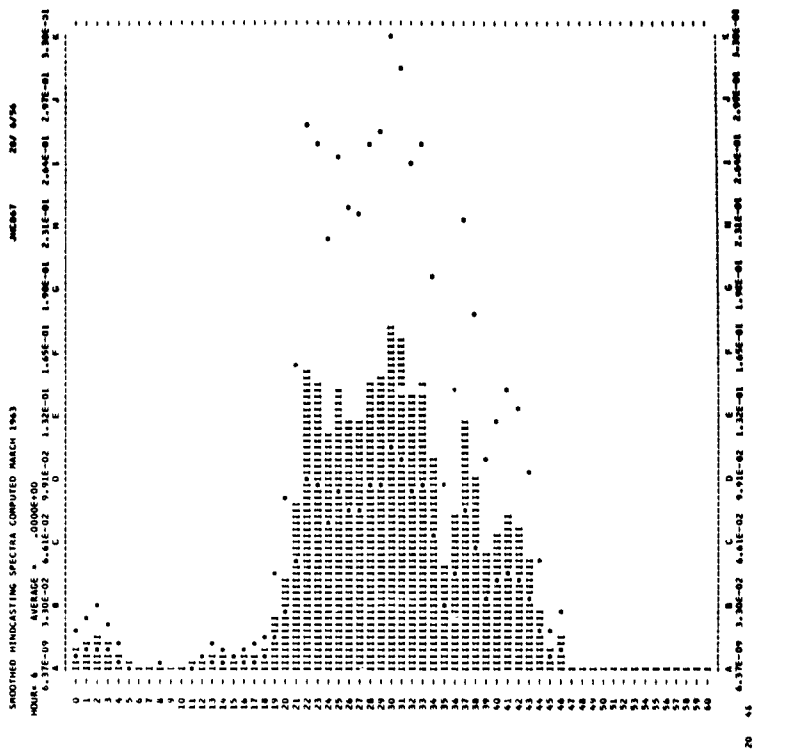
M	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0056	.0056	.0047	.0047	.0086	.0030
1	.006	.0062	.0062	.0055	.0055	.0101	.0035
2	.011	.0070	.0070	.0063	.0063	.0116	.0040
3	.017	.0067	.0067	.0060	.0060	.0110	.0038
4	.022	.0054	.0054	.0047	.0047	.0086	.0030
5	.028	.0035	.0035	.0028	.0028	.0051	.0018
6	.033	.0024	.0024	.0017	.0027	.0050	.0017
7	.039	.0023	.0023	.0016	.0022	.0040	.0014
8	.044	.0018	.0018	.0011	.0013	.0025	.0009
9	.050	.0011	.0011	.0004	.0004	.0008	.0003
10	.056	.0012	.0012	.0005	.0005	.0010	.0003
11	.061	.0014	.0014	.0007	.0008	.0014	.0005
12	.067	.0039	.0039	.0028	.0031	.0058	.0020
13	.072	.0122	.0122	.0115	.0132	.0246	.0086
14	.078	.0186	.0186	.0159	.0188	.0347	.0120
15	.083	.0097	.0097	.0090	.0110	.0203	.0070
16	.089	.0055	.0055	.0048	.0061	.0113	.0039
17	.094	.0055	.0055	.0048	.0064	.0119	.0041
18	.100	.0089	.0089	.0082	.0117	.0219	.0076
19	.106	.0279	.0279	.0272	.0413	.0761	.0263
20	.111	.0520	.0520	.0513	.0833	.1539	.0530
21	.117	.0588	.0588	.0581	.1013	.1867	.0649
22	.122	.0777	.0778	.0770	.1449	.2671	.0923
23	.128	.1053	.1053	.1046	.2135	.3935	.1359
24	.133	.0864	.0864	.0857	.1906	.3512	.1213
25	.139	.0589	.0589	.0582	.1616	.2611	.0902
26	.144	.0510	.0510	.0503	.1346	.2480	.0857
27	.150	.0395	.0395	.0398	.1056	.1947	.0672
28	.156	.0331	.0331	.0324	.1059	.1953	.0675
29	.161	.0430	.0430	.0423	.1539	.2837	.0980
30	.167	.0430	.0430	.0423	.1741	.3172	.1096
31	.172	.0302	.0302	.0295	.1346	.2480	.0857
32	.178	.0224	.0224	.0217	.1116	.2057	.0711
33	.183	.0197	.0197	.0190	.1104	.2035	.0703
34	.189	.0139	.0139	.0132	.0871	.1606	.0555
35	.194	.0100	.0100	.0093	.0699	.1288	.0445
36	.200	.0103	.0103	.0096	.0826	.1523	.0526
37	.206	.0119	.0119	.0112	.1108	.2042	.0705
38	.211	.0083	.0083	.0076	.0867	.1598	.0552
39	.217	.0055	.0055	.0048	.0568	.0678	.0234
40	.222	.0031	.0034	.0026	.0408	.0753	.0260
41	.228	.0038	.0036	.0028	.0513	.0945	.0327
42	.233	.0034	.0034	.0027	.0569	.1049	.0363
43	.239	.0027	.0027	.0020	.0490	.0903	.0312
44	.244	.0018	.0019	.0012	.0351	.0648	.0224
45	.250	.0014	.0014	.0007	.0251	.0464	.0160
46	.256	.0012	.0012	.0005	.0198	.0365	.0126
47	.261	.0010	.0011	.0003	.0172	.0317	.0110
48	.267	.0011	.0012	.0004	.0004	.0008	.0003
49	.272	.0014	.0014	.0007	.0007	.0012	.0004
50	.278	.0014	.0014	.0007	.0007	.0013	.0004
51	.283	.0012	.0012	.0005	.0005	.0009	.0003
52	.289	.0010	.0010	.0003	.0003	.0005	.0002
53	.294	.0004	.0004	.0002	.0002	.0003	.0001
54	.300	.0008	.0008	.0000	.0000	.0001	.0000
55	.306	.0006	.0006	.0000	.0000	.0000	.0000
56	.311	.0006	.0006	.0000	.0000	.0000	.0000
57	.317	.0006	.0006	.0000	.0000	.0000	.0000
58	.322	.0005	.0005	.0000	.0000	.0000	.0000
59	.328	.0005	.0005	.0000	.0000	.0000	.0000
60	.333	.0004	.0004	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 20/ 6/56 AV. T= 5.9 RECORD = JHC067
HOUR = 6 SIG.HGT. = 6.8 UPPER HGT. = 7.3
TOTAL DF =243 CORR. VAR. = 2.9 LOWER HGT. = 6.3
NOISE LEVEL = .0022 WIND SPEED = 20

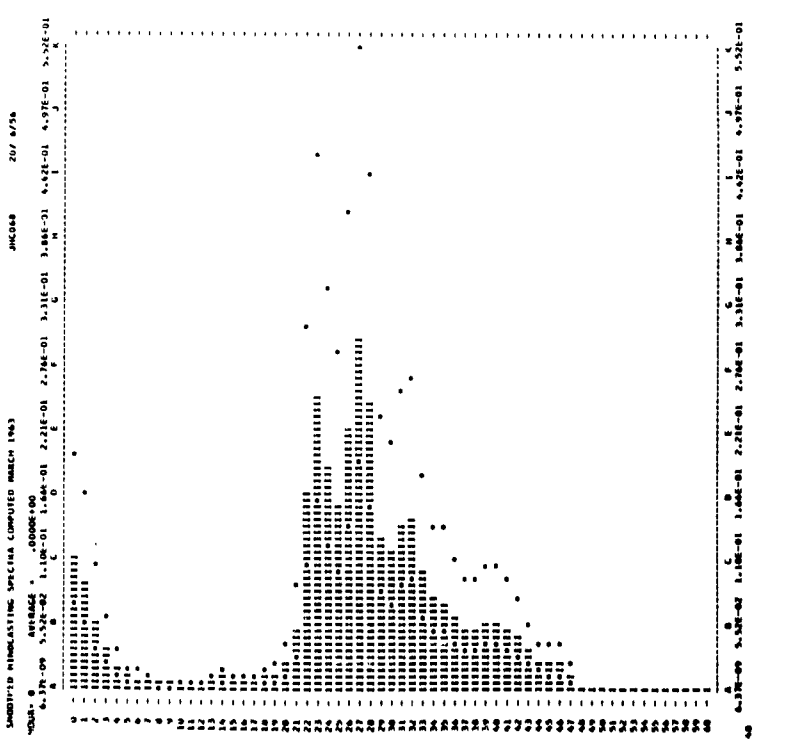
M	FRE.	UNIT-FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0138	.0138	.0113	.0113	.0209	.0078
1	.006	.0168	.0168	.0146	.0146	.0269	.0098
2	.011	.0194	.0194	.0172	.0172	.0317	.0118
3	.017	.0199	.0199	.0133	.0133	.0268	.0098
4	.022	.0090	.0090	.0068	.0068	.0126	.0043
5	.028	.0069	.0069	.0023	.0023	.0043	.0015
6	.033	.0027	.0027	.0005	.0008	.0015	.0008
7	.039	.0028	.0028	.0003	.0004	.0008	.0003
8	.044	.0030	.0030	.0008	.0010	.0019	.0006
9	.050	.0028	.0028	.0008	.0004	.0007	.0002
10	.056	.0025	.0028	.0003	.0005	.0007	.0002
11	.061	.0039	.0039	.0017	.0019	.0036	.0012
12	.067	.0061	.0061	.0039	.0044	.0082	.0028
13	.072	.0086	.0086	.0064	.0076	.0137	.0047
14	.078	.0072	.0072	.0050	.0060	.0110	.0038
15	.083	.0055	.0055	.0033	.0041	.0075	.0026
16	.089	.0069	.0069	.0043	.0058	.0102	.0035
17	.094	.0072	.0072	.0050	.0068	.0125	.0043
18	.100	.0087	.0087	.0065	.0093	.0171	.0059
19	.106	.0195	.0195	.0173	.0263	.0485	.0168
20	.111	.0319	.0319	.0293	.0476	.0878	.0303
21	.117	.0519	.0519	.0497	.0867	.1598	.0552
22	.122	.0844	.0844	.0822	.1348	.2893	.0986
23	.128	.0747	.0747	.0725	.1480	.2729	.0943
24	.133	.0586	.0586	.0564	.1210	.2231	.0771
25	.139	.0420	.0420	.0398	.1456	.2684	.0927
26	.144	.0508	.0508	.0486	.1301	.2398	.0829
27	.150	.0456	.0456	.0434	.1282	.2362	.0816
28	.156	.0474	.0474	.0452	.1480	.2727	.0942
29	.161	.0442	.0442	.0420	.1530	.2820	.0974
30	.167	.0462	.0462	.0440	.1792	.3303	.1141
31	.172	.0395	.0395	.0373	.1704	.3140	.1085
32	.178	.0300	.0300	.0278	.1432	.2640	.0912
33	.183	.0277	.0277	.0255	.1485	.2737	.0945
34	.189	.0189	.0189	.0167	.1105	.2038	.0704
35	.194	.0090	.0090	.0068	.0514	.0947	.0327
36	.200	.0114	.0114	.0092	.0796	.1466	.0507
37	.206	.0151	.0151	.0129	.1281	.2361	.0816
38	.211	.0109	.0109	.0087	.0998	.1839	.0635
39	.217	.0066	.0066	.0044	.0586	.1080	.0373
40	.222	.0067	.0067	.0046	.0704	.1298	.0448
41	.228	.0070	.0066	.0044	.0791	.1457	.0503
42	.233	.0056	.0057	.0035	.0737	.1358	.0469
43	.239	.0045	.0044	.0022	.0556	.1025	.0354
44	.244	.0031	.0032	.0010	.0298	.0549	.0190
45	.250	.0021	.0025	.0003	.0101	.0186	.0064
46	.256	.0026	.0026	.0004	.0162	.0298	.0103
47	.261	.0030	.0028	.0007	.0007	.0012	.0004
48	.267	.0028	.0028	.0006	.0006	.0011	.0004
49	.272	.0026	.0027	.0005	.0005	.0009	.0003
50	.278	.0027	.0026	.0004	.0004	.0008	.0003
51	.283	.0025	.0025	.0003	.0003	.0006	.0002
52	.289	.0023	.0023	.0002	.0002	.0003	.0001
53	.294	.0023	.0023	.0002	.0002	.0003	.0001
54	.300	.0025	.0024	.0002	.0002	.0004	.0001
55	.306	.0022	.0022	.0000	.0000	.0000	.0000
56	.311	.0019	.0020	.0000	.0000	.0000	.0000
57	.317	.0021	.0021	.0000	.0000	.0000	.0000
58	.322	.0023	.0022	.0000	.0000	.0000	.0000
59	.328	.0020	.0020	.0000	.0000	.0000	.0000
60	.333	.0016	.0018	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 20/ 6/56 AV. T= 6.4 RECORD = JHC068
HOUR = 0 SIG.HGT. = 7.2 UPPER HGT. = 7.8
TOTAL DF =215 CORR. VAR. = 3.2 LOWER HGT. = 6.7
NOISE LEVEL = .0010 WIND SPEED = 20

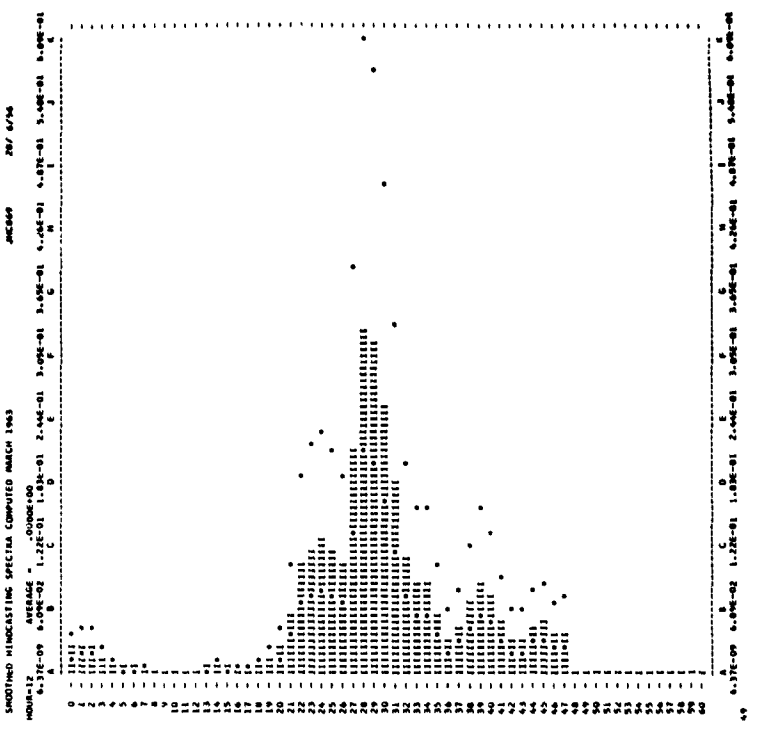
M	FRE.	UNIT-FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1102	.1102	.1091	.1091	.2012	.0695
1	.006	.0903	.0903	.0892	.0892	.1645	.0568
2	.011	.0568	.0568	.0557	.0557	.1028	.0355
3	.017	.0330	.0330	.0319	.0320	.0589	.0203
4	.022	.0179	.0179	.0168	.0168	.0311	.0107
5	.028	.0098	.0098	.0087	.0087	.0161	.0056
6	.033	.0057	.0057	.0046	.0075	.0138	.0048
7	.039	.0044	.0044	.0033	.0046	.0085	.0029
8	.044	.0036	.0036	.0025	.0032	.0059	.0020
9	.050	.0034	.0034	.0023	.0028	.0051	.0018
10	.056	.0034	.0034	.0023	.0027	.0049	.0017
11	.061	.0028	.0028	.0018	.0020	.0036	.0013
12	.067	.0033	.0033	.0022	.0026	.0047	.0016
13	.072	.0065	.0065	.0054	.0063	.0116	.0040
14	.078	.0088	.0088	.0077	.0092	.0170	.0059
15	.083	.0069	.0069	.0058	.0072	.0133	.0046
16	.089	.0047	.0047	.0036	.0047	.0086	.0030
17	.094	.0062	.0062	.0051	.0070	.0128	.0044
18	.100	.0071	.0071	.0060	.0086	.0159	.0055
19	.106	.0094	.0094	.0083	.0127	.0234	.0081
20	.111	.0137	.0137	.0126	.0205	.0379	.0131
21	.117	.0283	.0283	.0272	.0475	.0876	.0303
22	.122	.0899	.0899	.0888	.1673	.3083	.1065
23	.128	.1235	.1235	.1224	.2500	.4608	.1592
24	.133	.0849	.0849	.0838	.1865	.3438	.1188
25	.139	.0650	.0650	.0639	.1557	.2870	.0991
26	.144	.0836	.0836	.0825	.2209	.4072	.1407
27	.150	.1025	.1025	.1014	.2995	.5520	.1907
28	.156	.0746	.0746	.0735	.2407	.4436	.1533
29	.161	.0359	.0359	.0348	.1249	.2339	.0808
30	.167	.0293	.0293	.0282	.1150	.2120	.0732
31	.172	.0315	.0315	.0304	.1390	.2562	.0885
32	.178	.0292	.0292	.0281	.1449	.2672	.0923
33	.183	.0181	.0181	.0170	.0992	.1829	.0632
34	.189	.0124	.0124	.0113	.0751	.1384	.0478
35	.194	.0104	.0109	.0098	.0763	.1369	.0473
36	.200	.0080	.0080	.0069	.0600	.1106	.0382
37	.206	.0063	.0063	.0052	.0521	.0960	.0332
38	.211	.0054	.0054	.0043	.0498	.0918	.0317
39	.217	.0054	.0054	.0043	.0577	.1064	.0368
40	.222	.0049	.0047	.0037	.0571	.1052	.0363
41	.228	.0038	.0039	.0028	.0509	.0938	.0324
42	.233	.0030	.0030	.0020	.0417	.0768	.0265
43	.239	.0023	.0023	.0012	.0310	.0572	.0198
44	.244	.0018	.0018	.0007	.0220	.0406	.0140
45	.250	.0017	.0016	.0006	.0209	.0385	.0133
46	.256	.0014	.0015	.0005	.0197	.0363	.0125
47	.261	.0012	.0013	.0002	.0124	.0228	.0079
48	.267	.0012	.0013	.0002	.0002	.0005	.0002
49	.272	.0018	.0016	.0005	.0005	.0010	.0003
50	.278	.0019	.0017	.0007	.0007	.0013	.0004
51	.283	.0016	.0016	.0006	.0006	.0011	.0004
52	.289	.0014	.0015	.0004	.0004	.0008	.0003
53	.294	.0015	.0014	.0003	.0003	.0006	.0002
54	.300	.0012	.0012	.0002	.0002	.0003	.0001
55	.306	.0010	.0011	.0000	.0000	.0000	.0000
56	.311	.0011	.0010	.0000	.0000	.0000	.0000
57	.317	.0009	.0009	.0000	.0000	.0000	.0000
58	.322	.0006	.0007	.0000	.0000	.0000	.0000
59	.328	.0006	.0006	.0000	.0000	.0000	.0000
60	.333	.0005	.0005	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1983

DATE = 20/ 6/56 AV. T= 5.9 RECORD = JMC069
HOUR = 12 SIG.HGT. = 6.9 UPPER HGT. = 7.5
TOTAL DF =100 CORR. VAR. = 3.0 LOWER HGT. = 6.4
NOISE LEVEL = .0009 WIND SPEED = 20

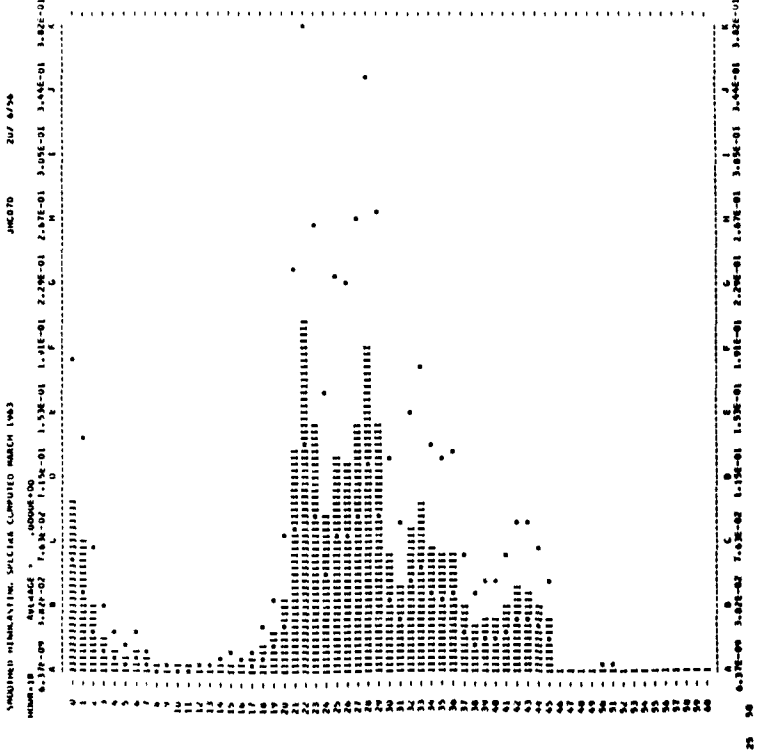
M	FRE. UNIT=PT.2	FILTERED	-NOISE	CORR.PT.2	UPPER	LOWER
0	.000	.0224	.0224	.0215	.0215	.0396	.0137
1	.006	.0251	.0251	.0242	.0242	.0445	.0154
2	.011	.0249	.0249	.0240	.0240	.0442	.0153
3	.017	.0154	.0154	.0145	.0145	.0267	.0092
4	.022	.0067	.0067	.0058	.0058	.0106	.0037
5	.028	.0040	.0040	.0031	.0031	.0057	.0020
6	.033	.0030	.0030	.0021	.0021	.0042	.0021
7	.039	.0029	.0029	.0016	.0022	.0040	.0014
8	.044	.0021	.0021	.0012	.0019	.0027	.0009
9	.050	.0016	.0016	.0007	.0008	.0015	.0009
10	.056	.0010	.0010	.0001	.0001	.0001	.0001
11	.061	.0008	.0008	.0000	.0000	.0000	.0000
12	.067	.0013	.0013	.0004	.0004	.0008	.0003
13	.072	.0038	.0038	.0029	.0033	.0061	.0021
14	.078	.0060	.0060	.0051	.0060	.0111	.0038
15	.083	.0044	.0044	.0035	.0043	.0079	.0027
16	.089	.0023	.0023	.0014	.0018	.0032	.0011
17	.094	.0026	.0026	.0017	.0023	.0042	.0014
18	.100	.0060	.0060	.0051	.0072	.0133	.0046
19	.106	.0104	.0104	.0095	.0144	.0265	.0092
20	.111	.0152	.0152	.0143	.0232	.0427	.0148
21	.117	.0328	.0328	.0319	.0596	.1028	.0356
22	.122	.0549	.0549	.0540	.1018	.1873	.0647
23	.128	.0588	.0588	.0579	.1101	.2178	.0752
24	.133	.0579	.0579	.0570	.1267	.2336	.0807
25	.139	.0485	.0485	.0476	.1158	.2135	.0738
26	.144	.0391	.0391	.0382	.1022	.1883	.0651
27	.150	.0730	.0721	.2128	.3922	.1355
28	.156	.1019	.1019	.1010	.3304	.6090	.2104
29	.161	.0871	.0871	.0862	.3138	.5783	.1998
30	.167	.0636	.0636	.0627	.2552	.4703	.1625
31	.172	.0406	.0406	.0397	.1811	.3338	.1153
32	.178	.0224	.0224	.0215	.1105	.2038	.0704
33	.183	.0159	.0159	.0150	.0871	.1606	.0555
34	.189	.0138	.0138	.0129	.0851	.1569	.0542
35	.194	.0082	.0082	.0073	.0548	.1010	.0349
36	.200	.0046	.0046	.0037	.0317	.0584	.0202
37	.206	.0053	.0053	.0044	.0433	.0799	.0276
38	.211	.0067	.0067	.0058	.0660	.1217	.0421
39	.217	.0075	.0075	.0066	.0872	.1607	.0555
40	.224	.0059	.0057	.0047	.0732	.1349	.0466
41	.228	.0036	.0037	.0028	.0503	.0928	.0321
42	.233	.0022	.0025	.0015	.0326	.0601	.0208
43	.239	.0021	.0022	.0013	.0328	.0604	.0209
44	.244	.0026	.0024	.0015	.0439	.0809	.0279
45	.250	.0024	.0022	.0013	.0459	.0847	.0293
46	.256	.0016	.0018	.0008	.0350	.0646	.0223
47	.261	.0015	.0017	.0008	.0382	.0703	.0243
48	.267	.0022	.0020	.0011	.0011	.0020	.0007
49	.272	.0022	.0020	.0010	.0010	.0019	.0007
50	.278	.0013	.0015	.0005	.0005	.0010	.0003
51	.283	.0011	.0011	.0002	.0002	.0003	.0001
52	.289	.0009	.0009	.0000	.0000	.0000	.0000
53	.294	.0007	.0008	.0000	.0000	.0000	.0000
54	.300	.0008	.0008	.0000	.0000	.0000	.0000
55	.306	.0009	.0009	.0000	.0000	.0000	.0000
56	.311	.0009	.0009	.0000	.0000	.0000	.0000
57	.317	.0010	.0009	.0000	.0000	.0000	.0000
58	.322	.0008	.0009	.0000	.0000	.0000	.0000
59	.328	.0010	.0010	.0001	.0001	.0001	.0001
60	.333	.0012	.0011	.0002	.0002	.0003	.0001



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1983

DATE = 20/ 6/56 AV. T= 6.4 RECORD = JMC070
HOUR = 18 SIG.HGT. = 6.4 UPPER HGT. = 6.8
TOTAL DF =230 CORR. VAR. = 2.5 LOWER HGT. = 5.9
NOISE LEVEL = .0028 WIND SPEED = 15

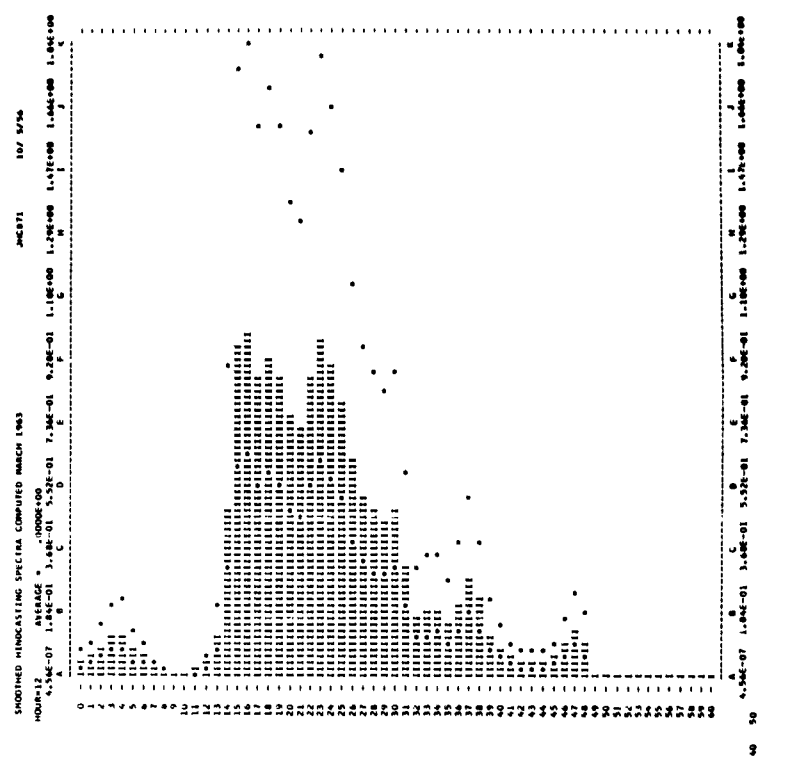
M	FRE. UNIT=PT.2	FILTERED	-NOISE	CORR.PT.2	UPPER	LOWER
0	.000	.1024	.1024	.0996	.0996	.1836	.0636
1	.006	.0776	.0776	.0748	.0748	.1379	.0476
2	.011	.0415	.0415	.0387	.0387	.0713	.0246
3	.017	.0237	.0237	.0209	.0209	.0385	.0133
4	.022	.0143	.0143	.0115	.0115	.0212	.0073
5	.028	.0113	.0113	.0085	.0085	.0157	.0054
6	.033	.0100	.0100	.0072	.0116	.0214	.0074
7	.039	.0071	.0071	.0043	.0059	.0109	.0038
8	.044	.0049	.0049	.0021	.0026	.0048	.0017
9	.050	.0041	.0041	.0013	.0015	.0028	.0010
10	.056	.0049	.0045	.0017	.0019	.0035	.0012
11	.061	.0050	.0050	.0022	.0025	.0046	.0016
12	.067	.0043	.0043	.0015	.0017	.0031	.0011
13	.072	.0041	.0041	.0013	.0015	.0028	.0010
14	.078	.0058	.0058	.0030	.0036	.0066	.0023
15	.083	.0071	.0071	.0043	.0053	.0097	.0034
16	.089	.0065	.0065	.0037	.0047	.0088	.0030
17	.094	.0072	.0072	.0044	.0059	.0109	.0038
18	.100	.0111	.0111	.0103	.0147	.0271	.0094
19	.106	.0184	.0184	.0158	.0237	.0437	.0151
20	.111	.0291	.0291	.0263	.0427	.0787	.0272
21	.117	.0770	.0770	.0742	.1294	.2386	.0824
22	.122	.1128	.1128	.1100	.2071	.3817	.1319
23	.128	.0732	.0732	.0704	.1437	.2649	.0915
24	.133	.0432	.0432	.0404	.0899	.1656	.0572
25	.139	.0544	.0544	.0516	.1256	.2316	.0800
26	.144	.0490	.0490	.0462	.1236	.2279	.0787
27	.150	.0518	.0490	.0462	.1447	.2666	.0921
28	.156	.0601	.0581	.1901	.3504	.1211
29	.161	.0429	.0429	.0401	.1460	.2691	.0930
30	.167	.0197	.0197	.0169	.0688	.1268	.0438
31	.172	.0133	.0113	.0105	.0479	.0883	.0305
32	.178	.0189	.0161	.0133	.0929	.1528	.0528
33	.183	.0147	.0197	.0184	.0983	.1812	.0626
34	.189	.0137	.0137	.0104	.0721	.1328	.0458
35	.194	.0119	.0119	.0091	.0684	.1264	.0437
36	.200	.0104	.0104	.0081	.0649	.1249	.0445
37	.206	.0065	.0065	.0037	.0367	.0676	.0233
38	.211	.0050	.0050	.0022	.0252	.0464	.0160
39	.217	.0035	.0035	.0022	.0292	.0537	.0186
40	.222	.0045	.0047	.0019	.0297	.0547	.0189
41	.228	.0049	.0049	.0021	.0382	.0705	.0245
42	.233	.0044	.0051	.0023	.0485	.0894	.0309
43	.239	.0042	.0047	.0019	.0471	.0869	.0300
44	.244	.0040	.0041	.0013	.0346	.0729	.0252
45	.250	.0039	.0036	.0008	.0245	.0544	.0188
46	.256	.0027	.0027	.0000	.0000	.0000	.0000
47	.261	.0014	.0019	.0000	.0000	.0000	.0000
48	.267	.0019	.0022	.0000	.0000	.0000	.0000
49	.272	.0019	.0019	.0000	.0000	.0012	.0004
50	.278	.0043	.0043	.0015	.0015	.0027	.0009
51	.283	.0044	.0043	.0015	.0015	.0027	.0009
52	.289	.0038	.0036	.0008	.0008	.0015	.0005
53	.294	.0024	.0025	.0000	.0000	.0000	.0000
54	.300	.0016	.0018	.0000	.0000	.0000	.0000
55	.306	.0020	.0022	.0000	.0000	.0000	.0000
56	.311	.0035	.0033	.0005	.0005	.0009	.0003
57	.317	.0042	.0038	.0010	.0010	.0018	.0006
58	.322	.0033	.0031	.0003	.0003	.0006	.0002
59	.328	.0018	.0020	.0000	.0000	.0000	.0000
60	.333	.0016	.0016	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 10/ 5/56 AV. T= 7.4 RECORD = JMC071
HOUR = 12 SIG.HGT. = 15.9 UPPER HGT. = 17.1
TOTAL DF =237 CORR. VAR. = 15.8 LOWER HGT. = 14.8
NOISE LEVEL = .0036 WIND SPEED = 25

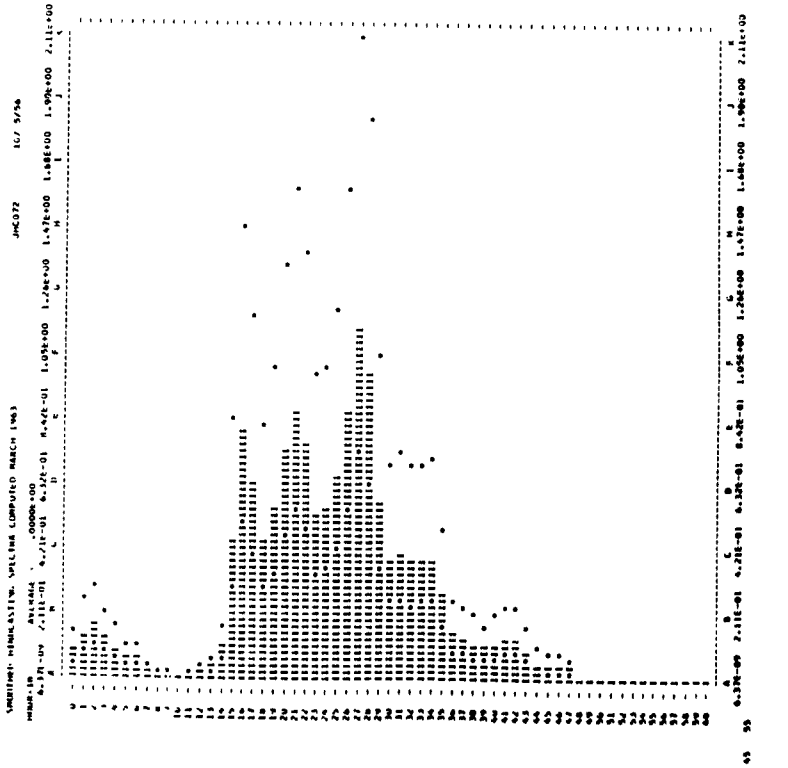
H	FRE.	UNIT=FT.2 FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0420	.0420	.0384	.0708	.0245
1	.006	.0948	.0948	.0912	.0944	.0326
2	.011	.0810	.0810	.0774	.1427	.0493
3	.017	.1178	.1178	.1142	.2105	.0727
4	.022	.1221	.1221	.1185	.2184	.0755
5	.028	.0723	.0723	.0687	.1266	.0437
6	.033	.0343	.0343	.0307	.0596	.0316
7	.039	.0217	.0217	.0181	.0269	.0158
8	.044	.0109	.0109	.0073	.0091	.0058
9	.050	.0060	.0060	.0024	.0028	.0052
10	.056	.0065	.0065	.0029	.0033	.0061
11	.061	.0162	.0162	.0126	.0162	.0091
12	.067	.0281	.0281	.0245	.0278	.0512
13	.072	.1024	.1024	.0988	.1161	.0726
14	.078	.4145	.4145	.4109	.4877	.3099
15	.083	.7896	.7896	.7820	.9622	.6127
16	.089	.7812	.7812	.7776	.9988	.6360
17	.094	.8496	.8496	.8420	.8670	.5520
18	.100	.9536	.9498	.9277	.7099	.5907
19	.106	.9758	.9758	.9722	.8693	.5535
20	.111	.9638	.9638	.9602	.7474	.4759
21	.117	.9176	.9176	.9140	.7222	.4598
22	.122	.9009	.9009	.8973	.8610	.5482
23	.128	.9032	.9032	.8996	.9781	.6234
24	.133	.9062	.9062	.9026	.8995	.5702
25	.139	.9305	.9305	.9269	.7950	.5068
26	.144	.2390	.2390	.2314	.6193	.3944
27	.150	.1790	.1790	.1754	.5178	.3297
28	.156	.1486	.1486	.1450	.4745	.3021
29	.161	.1267	.1267	.1231	.4483	.2854
30	.167	.1212	.1212	.1176	.4788	.3049
31	.172	.0736	.0736	.0700	.5191	.3305
32	.178	.0371	.0371	.0335	.1725	.1098
33	.183	.0357	.0357	.0321	.1868	.1189
34	.189	.0323	.0323	.0287	.1898	.1209
35	.194	.0241	.0241	.0205	.1546	.0984
36	.200	.0281	.0281	.0245	.2115	.1347
37	.206	.0315	.0315	.0279	.2767	.1762
38	.211	.0222	.0222	.0186	.2129	.1356
39	.217	.0126	.0126	.0090	.1195	.0761
40	.222	.0077	.0085	.0050	.0764	.0486
41	.228	.0062	.0064	.0029	.0514	.0327
42	.233	.0057	.0056	.0020	.0428	.0273
43	.239	.0049	.0051	.0015	.0367	.0234
44	.244	.0048	.0048	.0013	.0368	.0878
45	.250	.0049	.0050	.0015	.0506	.0932
46	.256	.0056	.0057	.0022	.0892	.1644
47	.261	.0069	.0062	.0026	.1302	.2399
48	.267	.0055	.0052	.0017	.0982	.1811
49	.272	.0031	.0035	.0000	.0000	.0000
50	.278	.0024	.0027	.0000	.0000	.0000
51	.283	.0031	.0030	.0000	.0000	.0000
52	.289	.0036	.0033	.0000	.0000	.0000
53	.294	.0028	.0030	.0000	.0000	.0000
54	.300	.0027	.0029	.0000	.0000	.0000
55	.306	.0035	.0032	.0000	.0000	.0000
56	.311	.0031	.0029	.0000	.0000	.0000
57	.317	.0021	.0027	.0000	.0000	.0000
58	.322	.0034	.0036	.0001	.0001	.0000
59	.328	.0047	.0053	.0017	.0031	.0011
60	.333	.0063	.0060	.0024	.0024	.0044



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 10/ 5/56 AV. T= 7.0 RECORD = JMC072
HOUR = 18 SIG.HGT. = 15.6 UPPER HGT. = 16.5
TOTAL DF =241 CORR. VAR. = 14.7 LOWER HGT. = 14.3
NOISE LEVEL = .0040 WIND SPEED = 40

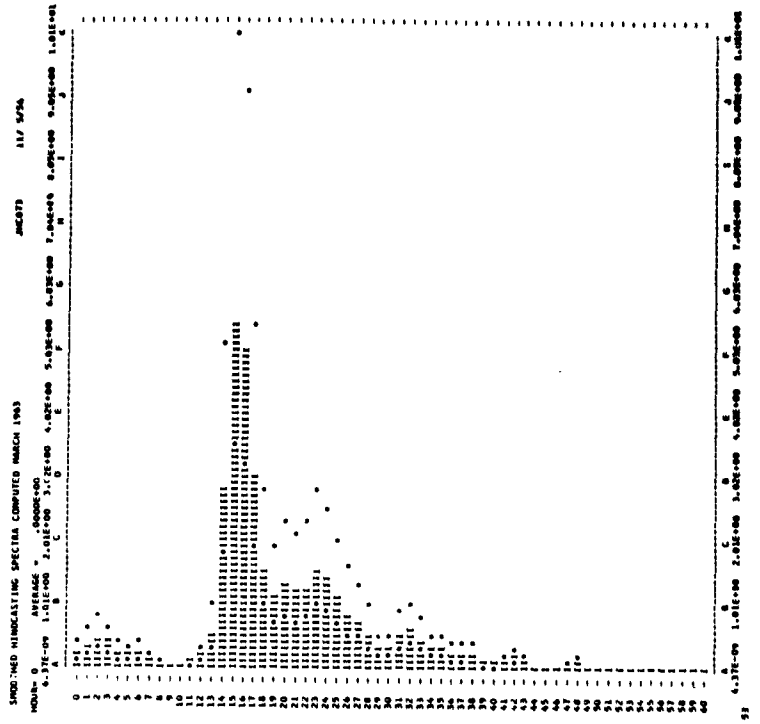
H	FRE.	UNIT=FT.2 FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0795	.0795	.0755	.1392	.0481
1	.006	.1361	.1361	.1321	.2435	.0841
2	.011	.1629	.1629	.1589	.2929	.1012
3	.017	.1210	.1210	.1170	.2157	.0745
4	.022	.0908	.0908	.0868	.1600	.0553
5	.028	.0577	.0577	.0537	.0990	.0342
6	.033	.0367	.0367	.0327	.0596	.0337
7	.039	.0210	.0210	.0170	.0234	.0431
8	.044	.0121	.0121	.0081	.0101	.0186
9	.050	.0095	.0095	.0055	.0065	.0119
10	.056	.0077	.0077	.0037	.0042	.0078
11	.061	.0114	.0114	.0074	.0084	.0154
12	.067	.0220	.0220	.0180	.0204	.0377
13	.072	.0360	.0360	.0320	.0370	.0681
14	.078	.0858	.0858	.0818	.0971	.1790
15	.083	.3717	.3717	.3677	.4524	.8339
16	.089	.6225	.6225	.6185	.7965	1.4644
17	.094	.4779	.4779	.4739	.6600	1.1796
18	.100	.3190	.3190	.3150	.4498	.8290
19	.106	.3626	.3626	.3586	.5448	1.0042
20	.111	.4557	.4557	.4517	.7336	1.3522
21	.117	.5007	.5007	.4967	.8665	1.5970
22	.122	.4090	.4090	.4050	.7950	1.3916
23	.128	.2664	.2664	.2624	.5357	.9874
24	.133	.2525	.2525	.2485	.5528	1.0189
25	.139	.2729	.2729	.2689	.6548	1.2069
26	.144	.3267	.3267	.3227	.8638	1.5920
27	.150	.3910	.3910	.3870	1.1426	2.1060
28	.156	.3086	.3086	.3046	.9969	1.8374
29	.161	.1604	.1604	.1564	.5636	1.0498
30	.167	.0976	.0976	.0936	.3812	.7025
31	.172	.0910	.0910	.0870	.3973	.7322
32	.178	.0763	.0763	.0723	.3724	.6863
33	.183	.0696	.0696	.0656	.3818	.7038
34	.189	.0627	.0627	.0587	.3883	.7158
35	.194	.0391	.0391	.0351	.2661	.4879
36	.200	.0203	.0203	.0163	.1409	.2597
37	.206	.0165	.0165	.0125	.1241	.2288
38	.211	.0137	.0137	.0097	.1112	.2050
39	.217	.0112	.0112	.0072	.0938	.1729
40	.222	.0114	.0113	.0074	.1136	.2095
41	.228	.0114	.0111	.0071	.1286	.2371
42	.233	.0103	.0100	.0060	.1265	.2331
43	.239	.0079	.0078	.0038	.0942	.1736
44	.244	.0059	.0057	.0018	.0519	.0956
45	.250	.0051	.0052	.0012	.0415	.0765
46	.256	.0054	.0052	.0012	.0644	.0911
47	.261	.0046	.0046	.0006	.0518	.0587
48	.267	.0038	.0040	.0000	.0010	.0018
49	.272	.0040	.0040	.0000	.0000	.0000
50	.278	.0045	.0045	.0006	.0006	.0010
51	.283	.0054	.0051	.0011	.0021	.0021
52	.289	.0052	.0049	.0009	.0017	.0006
53	.294	.0039	.0040	.0001	.0001	.0001
54	.300	.0032	.0034	.0000	.0000	.0000
55	.306	.0033	.0034	.0000	.0000	.0000
56	.311	.0037	.0037	.0000	.0000	.0000
57	.317	.0040	.0039	.0000	.0000	.0000
58	.322	.0038	.0038	.0000	.0000	.0000
59	.328	.0037	.0038	.0000	.0000	.0000
60	.333	.0039	.0038	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 11/ 9/56 AV. T= 8.7 RECORD = JMC073
HOUR = 0 SIG.HGT. = 23.8 UPPER HGT. = 26.2
TOTAL OF =161 CORR. VAR. = 35.3 LOWER HGT. = 21.6
NOISE LEVEL = .0104 WIND SPEED = 45

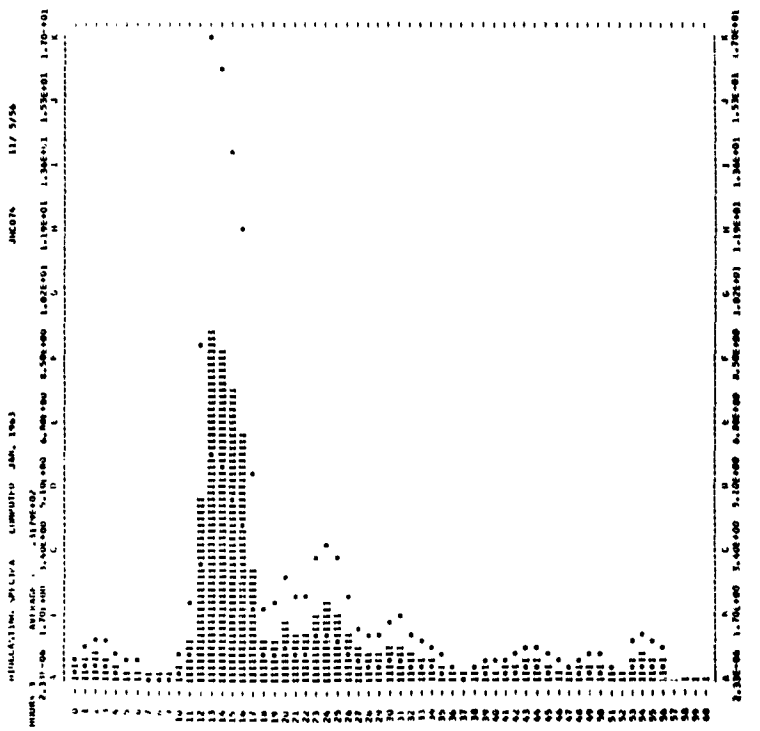
N	FRQ. UNIT=PT.2	FILTERED	-NOISE	CORR.PT.2	UPPER	LOWER
0	.000	.2673	.2673	.2369	.2369	.4367	.1589
1	.006	.3960	.3960	.3396	.3396	.6868	.2182
2	.011	.4489	.4489	.4301	.4301	.7928	.2759
3	.017	.3638	.3638	.3831	.3831	.6940	.2268
4	.022	.2487	.2487	.2333	.2333	.4508	.1486
5	.028	.1760	.1760	.1636	.1636	.3016	.1042
6	.033	.1398	.1398	.1284	.1284	.1994	.1278
7	.039	.0886	.0886	.0732	.1006	.1854	.0641
8	.044	.0414	.0414	.0310	.0386	.0712	.0246
9	.050	.0207	.0207	.0108	.0227	.0410	.0164
10	.056	.0088	.0088	.0101	.0207	.0381	.0132
11	.061	.0067	.0067	.0068	.0523	.0964	.0333
12	.067	.1963	.1963	.1639	.1632	.3009	.1039
13	.072	.4677	.4677	.4073	.3281	.6733	.2382
14	.078	2.3417	2.3417	2.3313	2.7673	5.1009	1.7620
15	.083	4.4483	4.4483	4.4349	5.4567	10.0575	3.4765
16	.089	3.8072	3.8072	3.8768	4.9788	9.1785	3.1708
17	.094	2.2112	2.2112	2.2868	2.9728	5.4778	1.8928
18	.100	1.0993	1.0993	1.0648	1.5688	2.8549	.9863
19	.106	.7082	.7082	.6978	1.0682	1.9541	.6751
20	.111	.7097	.7097	.7793	1.2992	2.3209	.8018
21	.117	.6758	.6758	.8631	1.1867	2.1328	.7369
22	.122	.6736	.6736	.8632	1.2867	2.3613	.7991
23	.128	.7584	.7584	.7488	1.5271	2.8146	.9726
24	.133	.6304	.6304	.6208	1.3781	2.5419	.8781
25	.139	.4318	.4318	.4416	1.0748	1.9810	.6846
26	.144	.3281	.3281	.3177	.9906	1.8474	.5418
27	.150	.2531	.2531	.2627	.7186	1.3208	.4563
28	.156	.1753	.1753	.1644	.5397	.9947	.3436
29	.161	.0838	.0838	.0726	.2644	.4876	.1684
30	.167	.0760	.0760	.0662	.2496	.4949	.1717
31	.172	.1126	.1126	.1022	.4667	.8601	.2971
32	.178	.1183	.1183	.1079	.5557	1.0242	.3538
33	.183	.0812	.0812	.0708	.4121	.7595	.2624
34	.189	.0529	.0529	.0425	.2812	.5183	.1790
35	.194	.0500	.0500	.0396	.2986	.5505	.1902
36	.200	.0369	.0369	.0265	.2117	.3902	.1348
37	.206	.0327	.0327	.0223	.2213	.4079	.1409
38	.211	.0316	.0316	.0210	.2406	.4434	.15.2
39	.217	.0158	.0158	.0054	.0719	.1325	.0458
40	.222	.0117	.0145	.0041	.0631	.1163	.0402
41	.228	.0187	.0176	.0072	.1304	.2404	.0831
42	.233	.0114	.0187	.0083	.1761	.3246	.1121
43	.239	.0136	.0138	.0034	.0869	.1564	.0540
44	.244	.0070	.0088	.0000	.0000	.0000	.0000
45	.250	.0080	.0082	.0000	.0030	.0000	.0000
46	.256	.0097	.0097	.0000	.0000	.0000	.0000
47	.261	.0115	.0114	.0010	.0492	.0906	.0313
48	.267	.0128	.0119	.0015	.0917	.1690	.0584
49	.272	.0106	.0107	.0003	.0209	.0386	.0133
50	.278	.0087	.0096	.0000	.0000	.0000	.0000
51	.283	.0105	.0101	.0000	.0000	.0000	.0000
52	.289	.0106	.0098	.0000	.0000	.0000	.0000
53	.294	.0075	.0087	.0000	.0000	.0000	.0000
54	.300	.0094	.0098	.0000	.0000	.0000	.0000
55	.306	.0120	.0119	.0015	.0015	.0028	.0010
56	.311	.0124	.0121	.0017	.0017	.0032	.0011
57	.317	.0108	.0112	.0009	.0009	.0015	.0004
58	.322	.0110	.0108	.0004	.0004	.0007	.0002
59	.328	.0103	.0100	.0000	.0000	.0000	.0000
60	.333	.0084	.0093	.0000	.0000	.0000	.0000



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 11/ 9/56 AV. T= 7.9 RECORD = JMC074
HOUR = 3 SIG.HGT. = 33.3 UPPER HGT. = 36.6
TOTAL OF =150 CORR. VAR. = 69.4 LOWER HGT. = 30.3
NOISE LEVEL = .0191 WIND SPEED = 40

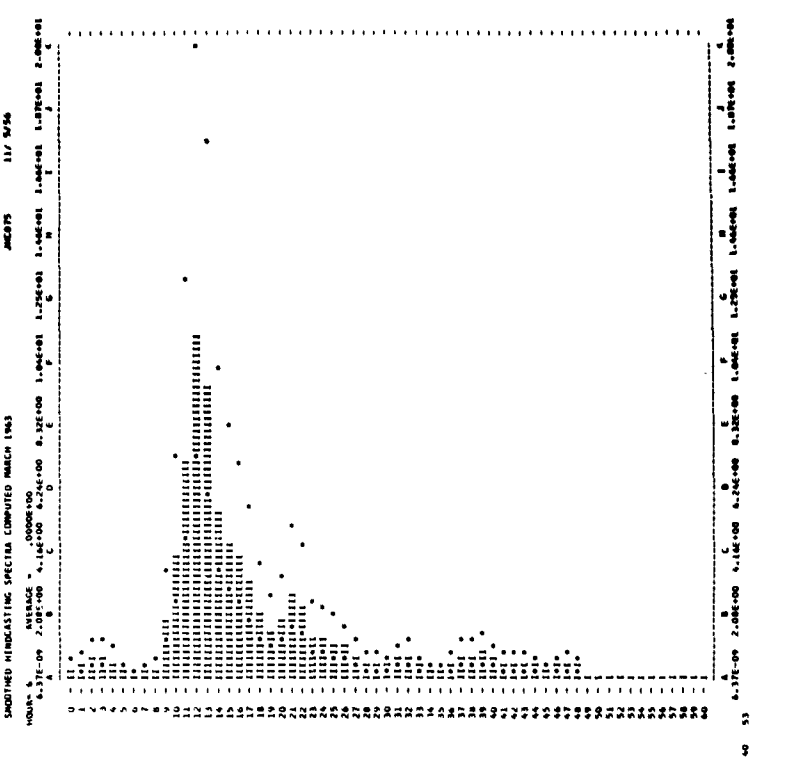
N	FRQ. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.2985	.2985	.2833	.2833	.5222	.1804
1	.006	.4491	.4491	.4299	.4299	.7924	.2739
2	.011	.6122	.6122	.5971	.5971	1.1005	.3802
3	.017	.5331	.5331	.5180	.5180	.9547	.3298
4	.022	.3816	.3816	.3665	.3665	.6754	.2333
5	.028	.2660	.2660	.2509	.2509	.4624	.1598
6	.033	.1668	.1668	.1517	.2450	.4516	.1560
7	.039	.1014	.1014	.0862	.1185	.2184	.0754
8	.044	.0784	.0864	.0713	.0888	.1636	.0565
9	.050	.1119	.1119	.0967	.1136	.2094	.0723
10	.056	.3446	.3446	.3294	.3755	.6921	.2391
11	.061	.9753	.9753	.9602	1.0842	1.9983	.6903
12	.067	4.2315	4.2315	4.2163	4.7826	8.8150	3.0453
13	.072	8.0024	8.0024	7.9872	9.2229	16.9981	5.8728
14	.078	7.3824	7.3824	7.3673	8.7450	16.1183	5.5683
15	.083	6.1860	6.1860	6.1709	7.5927	13.9944	4.8346
16	.089	5.0132	5.0132	4.9981	6.4200	11.8330	4.0879
17	.094	2.1695	2.1706	2.1555	2.9509	5.4020	1.8662
18	.100	.7093	.7093	.6942	.9811	1.8268	.6311
19	.106	.7218	.7218	.7067	1.0737	1.9789	.6836
20	.111	.9076	.9076	.8923	1.4491	2.6709	.9227
21	.117	.8997	.8997	.8765	1.3767	2.5387	.8768
22	.122	.8332	.8332	.8181	1.3637	2.5149	.8688
23	.128	.8668	.8668	.8517	1.4347	2.7046	1.1071
24	.133	.8971	.8971	.8819	1.4617	3.6157	1.2491
25	.139	.7193	.7193	.7041	1.3145	3.1601	1.0913
26	.144	.4474	.4474	.4322	1.1569	2.1373	.7386
27	.150	.2779	.2779	.2628	.7757	1.4296	.4939
28	.156	.2190	.2190	.1958	.6538	1.2053	.4164
29	.161	.1823	.1823	.1671	.6086	1.1217	.3875
30	.167	.2182	.2182	.2030	.8267	1.5238	.5264
31	.172	.2082	.2082	.1930	.8912	1.6243	.5611
32	.178	.1645	.1645	.1494	.6662	1.2274	.4242
33	.183	.1182	.1182	.1031	.4882	1.0842	.3749
34	.189	.0879	.0879	.0728	.4813	.8870	.3064
35	.194	.0832	.0832	.0680	.3620	.6672	.2305
36	.200	.0382	.0382	.0231	.1991	.3673	.1269
37	.206	.0285	.0285	.0134	.1327	.2446	.0845
38	.211	.0343	.0343	.0192	.2198	.4052	.1400
39	.217	.0364	.0364	.0213	.2872	.5201	.1797
40	.222	.0293	.0307	.0156	.2602	.4427	.1530
41	.228	.0279	.0299	.0148	.2643	.4868	.1648
42	.233	.0347	.0346	.0195	.3849	.7093	.2451
43	.239	.0363	.0369	.0219	.4616	.8472	.3065
44	.244	.0309	.0308	.0157	.4547	.8473	.2927
45	.250	.0252	.0293	.0102	.3564	.6535	.2254
46	.256	.0203	.0211	.0080	.2975	.4982	.1576
47	.261	.0192	.0195	.0064	.2196	.3978	.1376
48	.267	.0196	.0196	.0064	.2839	.4984	.1800
49	.272	.0199	.0202	.0070	.3565	.6867	.2263
50	.278	.0211	.0197	.0069	.3315	.7215	.2643
51	.283	.0164	.0170	.0042	.1993	.3676	.1210
52	.289	.0161	.0162	.0011	.1383	.2549	.0839
53	.294	.0202	.0184	.0033	.1114	.0634	.1258
54	.300	.0191	.0175	.0025	.0866	1.2776	.0284
55	.306	.0190	.0173	.0023	.1091	.4339	.1261
56	.311	.0181	.0176	.0026	.1484	.2604	.0772
57	.317	.0148	.0167	.0017	.0000	.0000	.0000
58	.322	.0111	.0119	.0000	.0000	.0000	.0000
59	.328	.0105	.0105	.0000	.0000	.0000	.0000
60	.333	.0096	.0101	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 11/ 5/56 AV. T= 9.3 RECORD = JMC075
HOUR = 6 SIG.HGT. = 35.6 UPPER HGT. = 39.0
TOTAL DF =157 CORR. VAR. = 79.1 LOWER HGT. = 32.5
NOISE LEVEL = .0178 WIND SPEED = 45

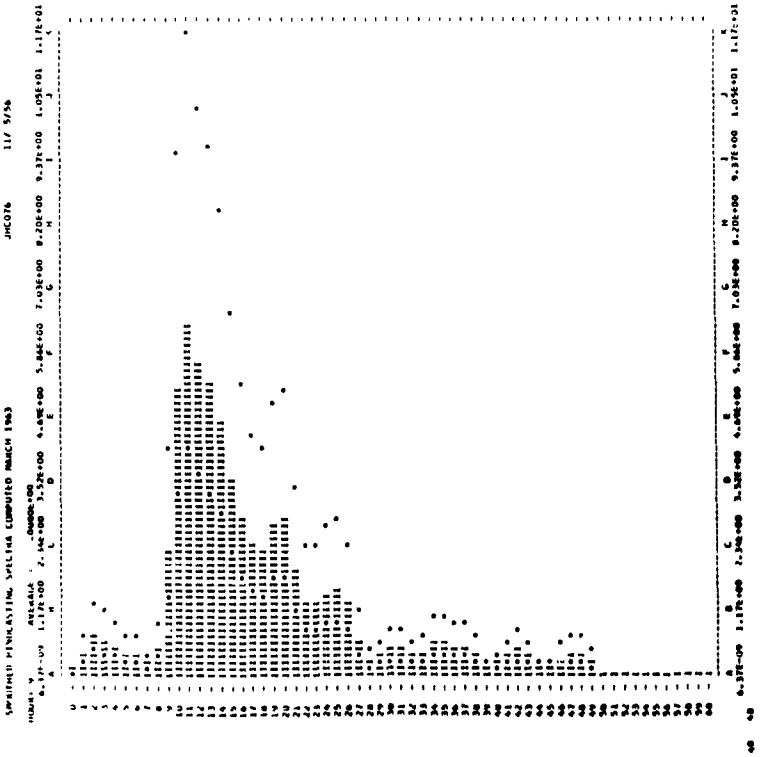
M	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.3040	.3040	.2862	.2862	.9276	.1823
1	.006	.4099	.4099	.4021	.4021	.8084	.3070
2	.011	.6908	.6908	.6730	.6730	1.2405	.4285
3	.017	.6787	.6787	.6609	.6609	1.2182	.4208
4	.022	.9383	.9383	.9175	.9175	.9939	.3295
5	.028	.2428	.2428	.2251	.2251	.4148	.1433
6	.033	.0708	.0708	.0530	.0887	.1879	.0546
7	.039	.1636	.1636	.1258	.1729	.3187	.1101
8	.044	.2631	.2631	.2693	.3059	.5638	.1948
9	.050	1.6148	1.6148	1.5970	1.8759	3.4575	1.1944
10	.056	3.4988	3.4988	3.4388	3.9199	7.2290	2.4960
11	.061	6.3184	6.3184	6.3006	7.1140	13.1122	4.5258
12	.067	9.9689	9.9689	9.9511	11.2876	20.8047	7.1872
13	.072	8.5044	8.5044	8.4866	9.5686	17.6363	6.0927
14	.078	4.6945	4.6945	4.6767	5.3038	10.1443	3.5045
15	.083	3.6480	3.6480	3.6302	4.4666	8.2327	2.8441
16	.089	3.0301	3.0301	3.0123	3.8693	7.1318	2.4638
17	.094	2.2901	2.2901	2.2723	3.0686	5.6588	1.9539
18	.100	1.4957	1.4957	1.4779	2.0529	3.7839	1.3072
19	.106	.9869	.9869	.9691	1.4724	2.7138	.9375
20	.111	1.1484	1.1484	1.1306	1.8363	3.3848	1.1692
21	.117	1.9472	1.9472	1.9294	2.6679	4.9176	1.6988
22	.122	1.2473	1.2473	1.2295	2.3190	4.2748	1.4760
23	.128	.6801	.6801	.6623	1.3921	2.4922	.8610
24	.133	.9535	.9535	.9357	1.1916	2.1963	.7588
25	.139	.4838	.4838	.4660	1.1347	2.0915	.7225
26	.144	.3756	.3756	.3578	.8877	1.7652	.6098
27	.150	.2914	.2914	.2336	.6897	1.2713	.4392
28	.156	.1982	.1982	.1604	.4598	.8470	.2926
29	.161	.1393	.1393	.1179	.4280	.7888	.2725
30	.167	.1141	.1141	.0963	.3922	.7228	.2497
31	.172	.1416	.1416	.1238	.3653	1.0420	.3600
32	.178	.1464	.1464	.1286	.6823	1.2207	.4217
33	.183	.0766	.0766	.0588	.3623	.6306	.2180
34	.189	.0483	.0483	.0305	.2019	.3721	.1286
35	.194	.0518	.0518	.0340	.2565	.4728	.1633
36	.200	.0695	.0695	.0517	.4466	.8232	.2844
37	.206	.0881	.0881	.0703	.6974	1.2855	.4441
38	.211	.0792	.0792	.0614	.7031	1.2959	.4477
39	.217	.0731	.0731	.0553	.7361	1.3531	.4675
40	.222	.0570	.0593	.0376	.5792	1.0676	.3688
41	.228	.0342	.0406	.0229	.4116	.7586	.2621
42	.233	.0371	.0368	.0190	.4016	.7403	.2557
43	.239	.0388	.0357	.0179	.4453	.8207	.2835
44	.244	.0281	.0295	.0118	.3457	.6372	.2201
45	.250	.0232	.0250	.0073	.2933	.4869	.1613
46	.256	.0257	.0256	.0078	.3151	.5808	.2006
47	.261	.0269	.0260	.0083	.4089	.7536	.2604
48	.267	.0246	.0231	.0053	.3153	.5811	.2007
49	.272	.0162	.0161	.0000	.0000	.0000	.0000
50	.278	.0074	.0098	.0000	.0000	.0000	.0000
51	.283	.0083	.0095	.0000	.0000	.0000	.0000
52	.289	.0142	.0145	.0000	.0000	.0000	.0000
53	.294	.0213	.0204	.0027	.0027	.0049	.0017
54	.300	.0249	.0233	.0056	.0056	.0102	.0035
55	.306	.0222	.0231	.0053	.0053	.0098	.0034
56	.311	.0230	.0216	.0038	.0038	.0070	.0024
57	.317	.0181	.0173	.0000	.0000	.0000	.0000
58	.322	.0100	.0134	.0000	.0000	.0000	.0000
59	.328	.0155	.0156	.0000	.0000	.0000	.0000
60	.333	.0221	.0188	.0010	.0010	.0019	.0007



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 11/ 5/56 AV. T= 9.1 RECORD = JMC076
HOUR = 9 SIG.HGT. = 32.5 UPPER HGT. = 35.3
TOTAL DF =203 CORR. VAR. = 66.2 LOWER HGT. = 30.0
NOISE LEVEL = .0112 WIND SPEED = 40

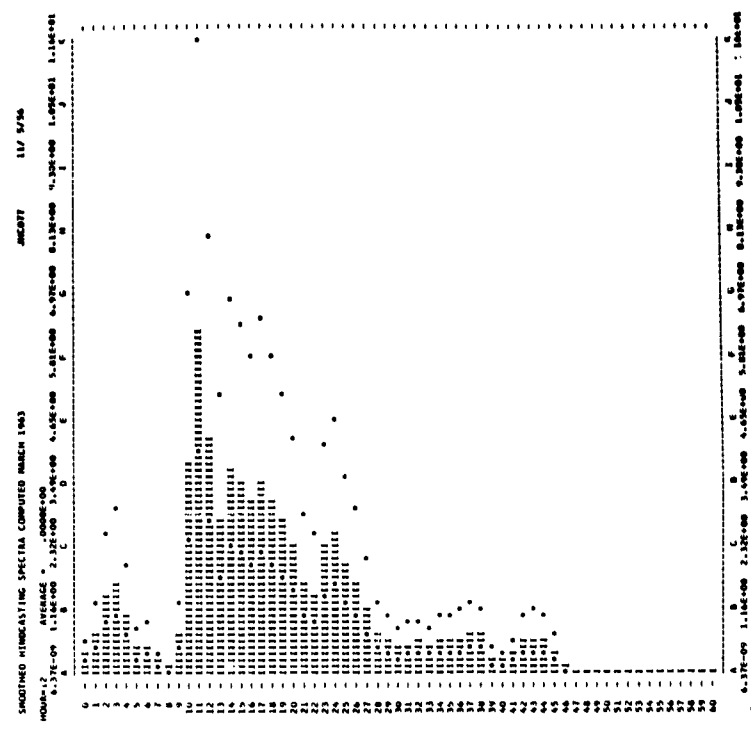
M	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0972	.0972	.0860	.0860	.1585	.0547
1	.006	.3636	.3636	.3524	.3524	.6495	.2244
2	.011	.6809	.6809	.6697	.6697	1.2343	.4266
3	.017	.6487	.6487	.6375	.6375	1.1750	.4059
4	.022	.5299	.5299	.5187	.5187	.9560	.3303
5	.028	.3985	.3985	.3873	.3873	.7138	.2466
6	.033	.2345	.2345	.2233	.3607	.6649	.2297
7	.039	.1429	.1429	.1317	.1809	.3335	.1152
8	.044	.4160	.4160	.4048	.5040	.9290	.3209
9	.050	1.8899	1.8899	1.8787	2.2067	4.0673	1.4051
10	.056	4.5244	4.5244	4.5132	5.1446	9.4822	3.2758
11	.061	5.6422	5.6422	5.6310	6.3570	11.7186	4.0484
12	.067	4.9715	4.9715	4.9603	5.6264	10.3704	3.5828
13	.072	4.5362	4.5362	4.5250	5.2250	9.6304	3.3270
14	.078	3.8461	3.8461	3.8349	4.5520	8.3900	2.8984
15	.083	2.8846	2.8846	2.8734	3.5356	6.5163	2.2511
16	.089	2.2158	2.2158	2.2046	2.8318	5.2196	1.8031
17	.094	1.7688	1.7688	1.7576	2.3707	4.3696	1.5095
18	.100	1.5691	1.5691	1.5579	2.1956	4.0469	1.3980
19	.106	1.7684	1.7684	1.7572	2.6647	4.9206	1.6995
20	.111	1.7173	1.7173	1.7061	2.7708	5.1071	1.7643
21	.117	1.0843	1.0843	1.0731	1.8170	3.3498	1.1697
22	.122	.8849	.8849	.8737	1.2684	2.3378	.8076
23	.128	.6365	.6365	.6253	1.2765	2.3528	.8128
24	.133	.6639	.6639	.6527	1.4517	2.6758	.9246
25	.139	.6498	.6498	.6386	1.5544	2.8650	.9897
26	.144	.4923	.4923	.4811	1.2878	2.3732	.8199
27	.150	.2279	.2279	.2167	.8397	1.1790	.4073
28	.156	.0911	.0911	.0799	.2614	.4818	.1664
29	.161	.0968	.0968	.0856	.3118	.5743	.1984
30	.167	.1143	.1143	.1031	.4197	.7735	.2672
31	.172	.1046	.1046	.0934	.4263	.7857	.2714
32	.178	.0689	.0689	.0577	.2970	.5474	.1891
33	.183	.0717	.0717	.0605	.3919	.6486	.2241
34	.189	.0990	.0990	.0878	.5805	1.0700	.3696
35	.194	.0913	.0913	.0801	.6036	1.1126	.3844
36	.200	.0677	.0677	.0565	.4876	.8987	.3105
37	.206	.0603	.0603	.0491	.4987	.8970	.3049
38	.211	.0441	.0441	.0329	.3785	.6935	.2396
39	.217	.0230	.0230	.0118	.1962	.2880	.0995
40	.222	.0149	.0233	.0121	.1870	.3447	.1191
41	.228	.0306	.0291	.0179	.3224	.5942	.2053
42	.233	.0356	.0316	.0204	.4311	.7947	.2745
43	.239	.0292	.0247	.0136	.3361	.6157	.2127
44	.244	.0179	.0183	.0051	.1490	.2746	.0949
45	.250	.0162	.0152	.0040	.1384	.2550	.0881
46	.256	.0195	.0182	.0070	.2412	.5367	.1854
47	.261	.0198	.0194	.0082	.4098	.7554	.2603
48	.267	.0188	.0180	.0068	.4098	.7674	.2586
49	.272	.0144	.0145	.0033	.2325	.4285	.1481
50	.278	.0095	.0104	.0000	.0000	.0000	.0000
51	.283	.0078	.0087	.0000	.0000	.0000	.0000
52	.289	.0103	.0102	.0000	.0000	.0000	.0000
53	.294	.0125	.0120	.0008	.0008	.0014	.0005
54	.300	.0126	.0135	.0023	.0023	.0042	.0015
55	.306	.0164	.0156	.0044	.0044	.0081	.0029
56	.311	.0171	.0155	.0043	.0043	.0079	.0027
57	.317	.0114	.0122	.0010	.0010	.0019	.0007
58	.322	.0091	.0094	.0000	.0000	.0000	.0000
59	.328	.0081	.0079	.0000	.0000	.0000	.0000
60	.333	.0062	.0071	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 11/ 5/56 AV. T= 8.0 RECORD = JHC077
HOUR = 12 SIG.HGT. = 33.1 UPPER HGT. = 35.6
TOTAL DF =247 CORR. VAR. = 66.3 LOWER HGT. = 30.7
NOISE LEVEL = .0234 WIND SPEED = 40

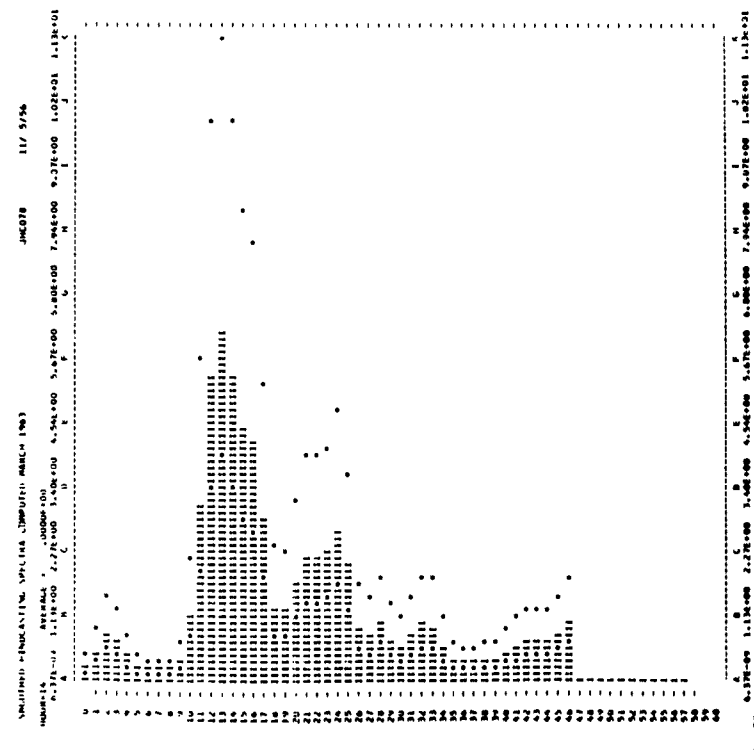
N	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.3493	.3493	.3259	.3259	.6007	.2075
1	.006	.7028	.7028	.6794	.6794	1.2522	.4326
2	.011	1.3986	1.3986	1.3752	1.3752	2.5347	.8756
3	.017	1.6402	1.6402	1.6258	1.6258	2.9966	1.0352
4	.022	1.6079	1.6079	1.5841	1.5841	1.9264	.6648
5	.028	.4782	.4782	.4548	.4548	.8382	.2896
6	.033	.3285	.3285	.2992	.4034	.8910	.3078
7	.039	.1784	.1784	.1598	.2138	.3925	.1356
8	.044	.0876	.0876	.0642	.0799	.1473	.0509
9	.050	.0216	.0216	.9982	.7826	1.2951	.4474
10	.056	3.3417	3.3417	3.3183	3.7823	6.9717	2.4069
11	.061	5.6071	5.6071	5.5837	6.3049	11.6208	4.0144
12	.067	3.8384	3.8384	3.8150	4.3217	7.9659	2.7518
13	.072	2.4288	2.4288	2.3986	2.7887	5.1869	1.7835
14	.078	3.1482	3.1482	3.1138	3.7020	6.8233	2.3572
15	.083	2.8483	2.8483	2.8249	3.4797	6.4063	2.2131
16	.089	2.4984	2.4984	2.4670	3.1688	5.8407	2.0177
17	.094	2.6192	2.6192	2.5958	3.0854	6.4809	2.2388
18	.100	2.2449	2.2449	2.2215	3.1716	5.8458	2.0198
19	.106	1.8973	1.8973	1.8739	2.7862	5.1384	1.7741
20	.111	1.4784	1.4784	1.4550	2.3630	4.3554	1.5046
21	.117	.9237	.9237	.9003	1.5705	2.8944	1.0000
22	.122	.7743	.7743	.7509	1.4138	2.6058	.9002
23	.128	1.1367	1.1367	1.1113	2.2687	4.1815	1.4446
24	.133	1.1620	1.1620	1.1386	2.3326	4.3479	1.5126
25	.139	.8328	.8328	.8091	1.9701	3.8311	1.2564
26	.144	.6433	.6433	.6199	1.6591	3.0588	1.0564
27	.150	.4179	.4179	.3945	1.1667	2.1466	.7616
28	.156	.2641	.2641	.2307	.7232	1.3311	.4809
29	.161	.1809	.1809	.1575	.5735	1.0570	.3692
30	.167	.1369	.1369	.1079	.4376	.8066	.2787
31	.172	.1371	.1371	.1137	.5190	.9567	.3305
32	.178	.1293	.1293	.1021	.5257	.9689	.3347
33	.183	.1033	.1033	.0799	.4649	.8568	.2960
34	.189	.1059	.1059	.0825	.5456	1.0055	.3474
35	.194	.0987	.0987	.0753	.5676	1.0461	.3614
36	.200	.0933	.0933	.0699	.6034	1.1122	.3842
37	.206	.0961	.0961	.0727	.7209	1.3287	.4590
38	.211	.0795	.0795	.0561	.6420	1.1833	.4088
39	.217	.0435	.0435	.0201	.2066	.4913	.1697
40	.222	.0277	.0277	.0139	.1925	.3544	.1224
41	.228	.0446	.0425	.0181	.3434	.6328	.2186
42	.233	.0530	.0496	.0260	.5497	1.0131	.3500
43	.239	.0472	.0477	.0243	.6033	1.1119	.3841
44	.244	.0434	.0422	.0188	.5330	1.0193	.3521
45	.250	.0350	.0343	.0109	.3808	.7019	.2425
46	.256	.0240	.0256	.0022	.0897	.1654	.0571
47	.261	.0193	.0228	.0000	.0000	.0000	.0000
48	.267	.0288	.0286	.0052	.0092	.0096	.0033
49	.272	.0375	.0369	.0111	.0111	.0204	.0070
50	.278	.0361	.0363	.0129	.0129	.0239	.0082
51	.283	.0397	.0377	.0143	.0143	.0264	.0091
52	.289	.0375	.0368	.0114	.0114	.0209	.0072
53	.294	.0264	.0274	.0040	.0040	.0073	.0025
54	.300	.0232	.0226	.0000	.0000	.0000	.0000
55	.306	.0196	.0199	.0000	.0000	.0000	.0000
56	.311	.0174	.0187	.0000	.0000	.0000	.0000
57	.317	.0209	.0188	.0000	.0000	.0000	.0000
58	.322	.0169	.0178	.0000	.0000	.0000	.0000
59	.328	.0168	.0177	.0000	.0000	.0000	.0000
60	.333	.0204	.0186	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 11/ 5/56 AV. T= 8.1 RECORD = JHC078
HOUR = 14 SIG.HGT. = 32.4 UPPER HGT. = 35.0
TOTAL DF =222 CORR. VAR. = 65.7 LOWER HGT. = 30.0
NOISE LEVEL = .0112 WIND SPEED = 40

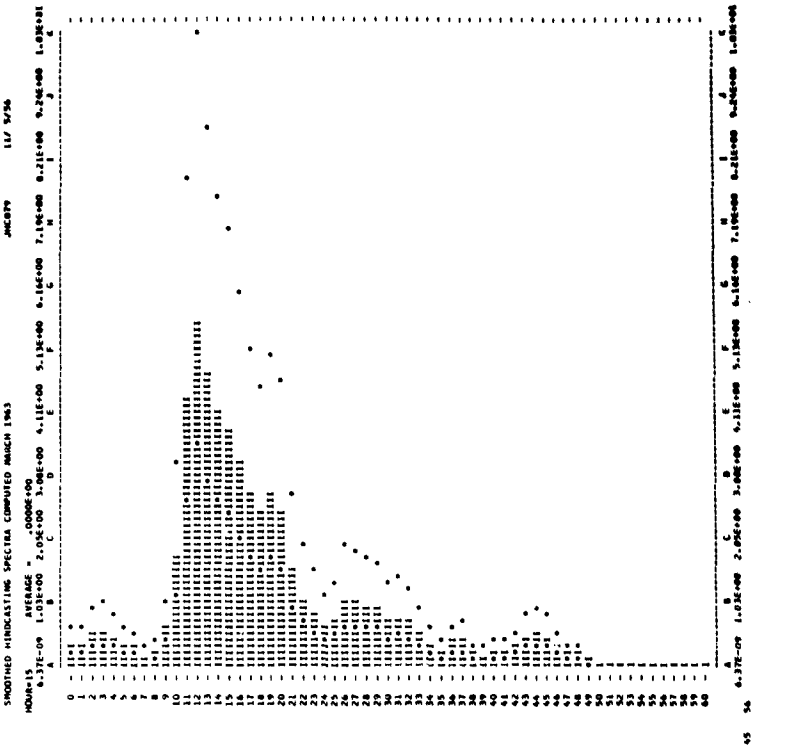
N	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.2535	.2535	.2423	.2423	.4665	.1543
1	.006	.5207	.5207	.5095	.5095	.9390	.3244
2	.011	.8150	.8150	.8038	.8038	1.4814	.5118
3	.017	.6901	.6901	.6789	.6789	1.2512	.4323
4	.022	.4379	.4379	.4267	.4267	.7864	.2717
5	.028	.2452	.2452	.2340	.2340	.4312	.1490
6	.033	.1277	.1277	.1165	.1882	.3468	.1198
7	.039	.1430	.1430	.1318	.1810	.3337	.1153
8	.044	.1493	.1493	.1381	.1719	.3169	.1095
9	.050	.3090	.3090	.2978	.3497	.6446	.2227
10	.056	1.0355	1.0355	1.0243	1.1876	2.1920	.7636
11	.061	2.7160	2.7160	2.7048	3.0517	5.6267	1.9431
12	.067	4.7039	4.7039	4.6927	5.3229	9.8109	3.3893
13	.072	5.3394	5.3394	5.3282	6.1524	11.3398	3.9175
14	.078	4.5002	4.5002	4.4890	5.3284	9.8210	3.3928
15	.083	3.6503	3.6503	3.6391	4.4775	8.2527	2.8510
16	.089	3.2546	3.2546	3.2434	4.1661	7.6787	2.6527
17	.094	2.1282	2.1282	2.1170	2.8587	5.2691	1.8203
18	.100	.9176	.9176	.9064	1.2960	2.3850	.8239
19	.106	.8186	.8186	.8074	1.2266	2.2608	.7810
20	.111	1.0823	1.0823	1.0711	1.7395	3.2062	1.1076
21	.117	1.2526	1.2526	1.2414	2.1654	3.9912	1.3788
22	.122	1.1677	1.1677	1.1565	2.1774	4.0132	1.3864
23	.128	1.1094	1.1094	1.0982	2.2337	4.1171	1.4223
24	.133	1.1798	1.1798	1.1686	2.5492	4.7008	1.6240
25	.139	.8298	.8298	.8186	1.9931	3.6736	1.2691
26	.144	.3518	.3518	.3406	.9115	1.6800	.5804
27	.150	.2801	.2801	.2689	.7937	1.4630	.5054
28	.156	.3131	.3131	.3019	.9878	1.8212	.6290
29	.161	.2092	.2092	.1980	.7208	1.3286	.4590
30	.167	.1622	.1622	.1510	.6146	1.1328	.3913
31	.172	.1802	.1802	.1690	.7714	1.4217	.4912
32	.178	.1993	.1993	.1881	.9683	1.7847	.6166
33	.183	.1760	.1760	.1648	.9587	1.7671	.6105
34	.189	.1013	.1013	.0901	.5956	1.0978	.3742
35	.194	.0602	.0602	.0490	.3691	.6802	.2350
36	.200	.0469	.0469	.0357	.3079	.5674	.1960
37	.206	.0436	.0436	.0324	.3209	.5916	.2043
38	.211	.0434	.0434	.0322	.3681	.6784	.2344
39	.217	.0390	.0390	.0278	.3683	.6789	.2345
40	.222	.0399	.0412	.0300	.4421	.8517	.2942
41	.228	.0460	.0438	.0325	.5859	1.0799	.3731
42	.233	.0432	.0421	.0309	.6526	1.2029	.4156
43	.239	.0362	.0376	.0263	.6540	1.2054	.4166
44	.244	.0347	.0352	.0240	.7032	1.2961	.4478
45	.250	.0352	.0350	.0237	.8261	1.5230	.5260
46	.256	.0398	.0392	.0240	.9951	1.8341	.6336
47	.261	.0362	.0363	.0231	.0231	.0425	.0147
48	.267	.0300	.0277	.0165	.0165	.0304	.0105
49	.272	.0167	.0169	.0056	.0056	.0104	.0036
50	.278	.0081	.0097	.0000	.0000	.0000	.0000
51	.283	.0080	.0092	.0000	.0000	.0000	.0000
52	.289	.0127	.0129	.0013	.0013	.0023	.0008
53	.294	.0166	.0165	.0033	.0033	.0061	.0021
54	.300	.0122	.0133	.0021	.0021	.0039	.0013
55	.306	.0124	.0129	.0016	.0016	.0030	.0010
56	.311	.0145	.0129	.0017	.0017	.0031	.0011
57	.317	.0107	.0110	.0000	.0030	.0000	.0000
58	.322	.0082	.0096	.0000	.0000	.0000	.0000
59	.328	.0084	.0086	.0000	.0000	.0000	.0000
60	.333	.0073	.0081	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 11/ 9/56 AV. T= 8.8 RECORD = JMC079
HOUR = 18 SIG.HGT. = 30.3 UPPER HGT. = 32.8
TOTAL OF =208 CORR. VAR. = 57.3 LOWER HGT. = 28.0
NOISE LEVEL = .0156 WIND SPEED = 40

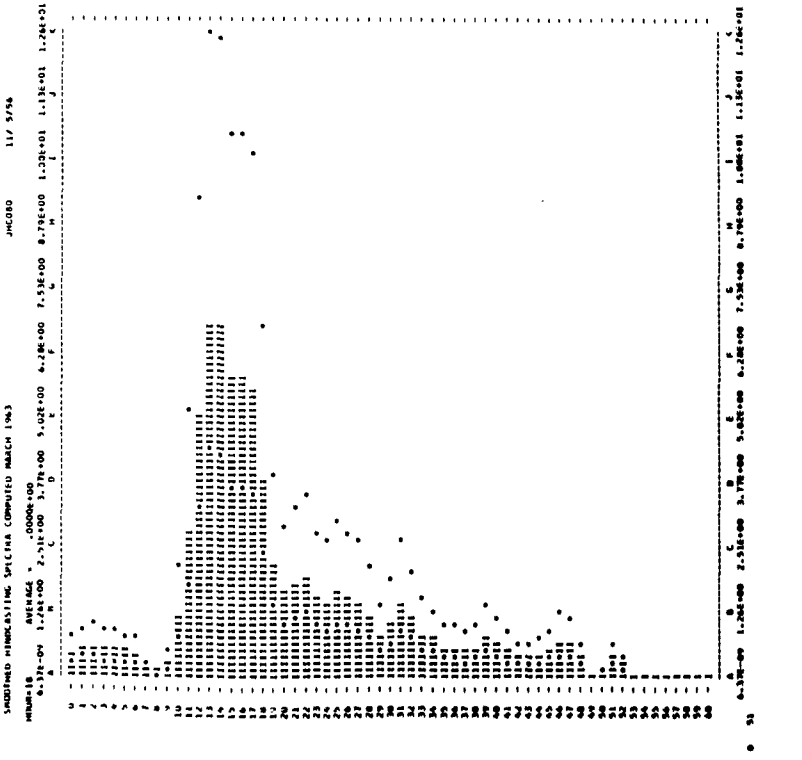
M	FRE.	UNIT-FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.3295	.3295	.3139	.3139	.5789	.1998
1	.006	.3748	.3748	.3592	.3592	.6620	.2287
2	.011	.3237	.3237	.3081	.3081	.5364	.1826
3	.017	.3662	.3662	.3506	.3506	1.0167	.3906
4	.022	.4823	.4823	.4667	.4667	.8232	.2844
5	.028	.3294	.3294	.3098	.3098	.5709	.1972
6	.033	.1923	.1923	.1767	.2854	.5261	.1817
7	.039	.1244	.1244	.1088	.1494	.2754	.0951
8	.044	.1916	.1916	.1760	.2188	.4034	.1393
9	.050	.4990	.4990	.4834	.5477	1.0464	.3613
10	.056	1.8637	1.8637	1.8481	1.7646	3.2525	1.1236
11	.061	3.7944	3.7944	3.7788	4.2646	7.8640	2.7167
12	.067	4.9771	4.9771	4.9115	9.5711	10.2683	3.5473
13	.072	4.1061	4.1061	4.0905	4.7232	8.7056	3.0079
14	.078	3.5064	3.5064	3.4908	4.1435	7.6371	2.6383
15	.083	3.1492	3.1492	3.1294	3.8504	7.0968	2.4517
16	.089	2.9880	2.9880	2.9724	3.3062	6.0901	2.1039
17	.094	2.8769	2.8769	2.8613	2.7435	5.1304	1.7726
18	.100	1.7310	1.7310	1.7134	2.4490	4.5139	1.5594
19	.106	1.8165	1.8165	1.8009	2.7360	5.0429	1.7421
20	.111	1.9518	1.9518	1.9362	2.4949	4.5984	1.5886
21	.117	.8793	.8793	.8637	1.5066	2.7768	.9593
22	.122	.5810	.5810	.5654	1.0644	1.9619	.6778
23	.128	.4366	.4366	.4210	.8546	1.5840	.5472
24	.133	.2878	.2878	.2722	.6053	1.1157	.3854
25	.139	.3164	.3164	.3008	.7323	1.3497	.4663
26	.144	.4025	.4025	.3869	1.0354	1.9084	.6593
27	.150	.3562	.3562	.3406	1.0054	1.8531	.6402
28	.156	.3074	.3074	.2918	.9548	1.7598	.6079
29	.161	.2693	.2693	.2497	.9061	1.6756	.5789
30	.167	.1868	.1868	.1712	.6968	1.2844	.4437
31	.172	.1810	.1810	.1654	.7549	1.3914	.4807
32	.178	.1491	.1491	.1335	.6871	1.2665	.4375
33	.183	.0974	.0974	.0818	.4757	.8768	.3029
34	.189	.0648	.0648	.0492	.3251	.5992	.2070
35	.194	.0446	.0446	.0290	.2183	.4023	.1390
36	.200	.0374	.0374	.0218	.1605	.2844	.2298
37	.206	.0324	.0324	.0368	.3645	.6718	.2321
38	.211	.0309	.0309	.0153	.1746	.3218	.1112
39	.217	.0264	.0264	.0108	.1427	.2630	.0908
40	.222	.0300	.0284	.0128	.1975	.3640	.1257
41	.228	.0274	.0282	.0126	.2241	.4187	.1439
42	.233	.0280	.0296	.0140	.2945	.5428	.1875
43	.239	.0350	.0330	.0174	.4316	.7955	.2748
44	.244	.0341	.0328	.0171	.5027	.9266	.3201
45	.250	.0279	.0279	.0122	.4256	.7845	.2710
46	.256	.0216	.0226	.0067	.2788	.5140	.1776
47	.261	.0184	.0194	.0037	.1847	.3404	.1176
48	.267	.0191	.0184	.0027	.1622	.2989	.1033
49	.272	.0169	.0167	.0010	.0735	.1355	.0468
50	.278	.0138	.0148	.0000	.0000	.0000	.0000
51	.283	.0146	.0143	.0000	.0000	.0000	.0000
52	.289	.0144	.0150	.0000	.0000	.0000	.0000
53	.294	.0166	.0177	.0021	.0039	.0072	.0013
54	.300	.0234	.0213	.0057	.0057	.0104	.0036
55	.306	.0218	.0205	.0049	.0049	.0090	.0031
56	.311	.0152	.0171	.0015	.0015	.0027	.0009
57	.317	.0163	.0160	.0004	.0004	.0007	.0003
58	.322	.0164	.0148	.0000	.0000	.0000	.0000
59	.328	.0103	.0109	.0000	.0000	.0000	.0000
60	.333	.0068	.0085	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 11/ 9/56 AV. T= 8.1 RECORD = JMC080
HOUR = 18 SIG.HGT. = 35.0 UPPER HGT. = 37.9
TOTAL OF =213 CORR. VAR. = 76.9 LOWER HGT. = 32.9
NOISE LEVEL = .0170 WIND SPEED = 45

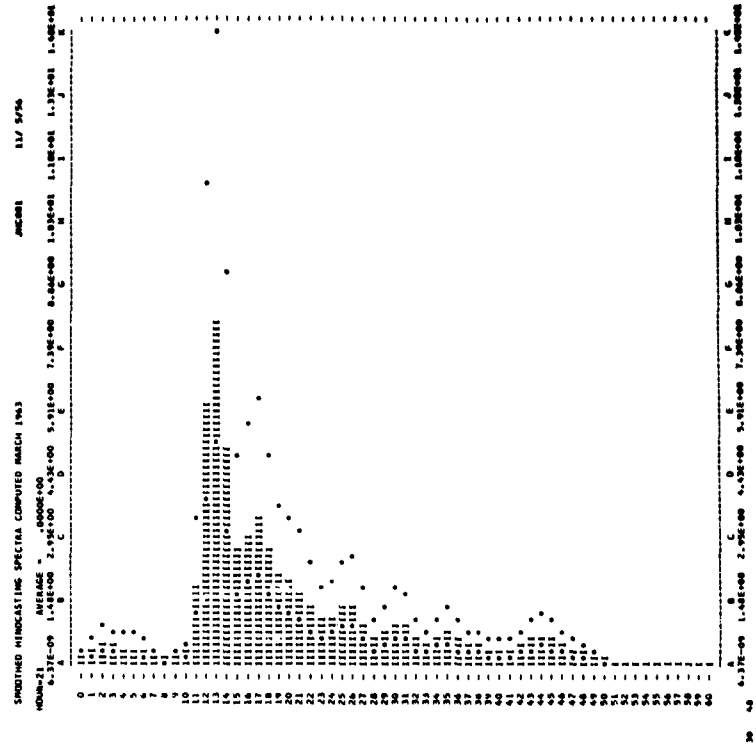
M	FRE.	UNIT-FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.4257	.4257	.4087	.4087	.7533	.2602
1	.006	.5136	.5136	.4966	.4966	.9153	.3162
2	.011	.5422	.5422	.5252	.5252	.9680	.3344
3	.017	.4767	.4767	.4577	.4577	.8436	.2914
4	.022	.5014	.5014	.4844	.4844	.8928	.3084
5	.028	.4592	.4592	.4422	.4422	.8151	.2816
6	.033	.2577	.2577	.2407	.3889	.7168	.2476
7	.039	.1396	.1396	.1226	.1685	.3105	.1073
8	.044	.0889	.0889	.0719	.0889	.1640	.0570
9	.050	.2902	.2902	.2732	.2739	.5049	.1744
10	.056	1.0364	1.0364	1.0194	1.1620	2.1418	.7399
11	.061	2.4877	2.4877	2.4707	2.7897	5.1418	1.7763
12	.067	4.6624	4.6624	4.6454	5.0424	9.2939	3.2107
13	.072	5.9157	5.9157	5.8987	6.8112	12.5541	4.3370
14	.078	5.6758	5.6758	5.6588	6.7170	12.3804	4.2770
15	.083	4.6634	4.6634	4.6464	5.7169	10.5372	3.6402
16	.089	4.4786	4.4786	4.4616	5.7309	10.5630	3.6491
17	.094	4.0963	4.0963	4.0793	5.5087	10.1534	3.5076
18	.100	2.6134	2.6134	2.5964	3.7069	6.8324	2.3603
19	.106	1.3895	1.3895	1.3725	2.0853	3.8434	1.3278
20	.111	.9939	.9939	.9769	1.9866	2.9253	1.0103
21	.117	1.0327	1.0327	1.0157	1.7718	3.2657	1.1282
22	.122	1.0365	1.0365	1.0195	1.9195	3.5380	1.2222
23	.128	.7632	.7632	.7462	1.5234	2.8078	.9700
24	.133	.6548	.6548	.6378	1.4187	2.6148	.9033
25	.139	.6985	.6985	.6815	1.4594	3.0585	1.0566
26	.144	.5754	.5754	.5584	1.4946	2.7548	.9517
27	.150	.4910	.4910	.4740	1.3996	2.5796	.8911
28	.156	.3654	.3654	.3484	1.1402	2.1015	.7260
29	.161	.2237	.2237	.2067	.7927	1.4874	.5793
30	.167	.2752	.2752	.2582	1.0513	1.9377	.6696
31	.172	.3282	.3282	.3112	1.4208	2.6188	.9047
32	.178	.2320	.2320	.2150	1.1071	2.0405	.7049
33	.183	.1540	.1540	.1370	.7973	1.4695	.5077
34	.189	.1229	.1229	.1059	.7005	1.2911	.4460
35	.194	.0876	.0876	.0706	.4523	.9811	.3389
36	.200	.0795	.0795	.0625	.5397	.9948	.3437
37	.206	.0635	.0635	.0465	.4613	.8502	.2937
38	.211	.0636	.0636	.0466	.5312	.9791	.3383
39	.217	.0733	.0733	.0563	.7472	1.3772	.4758
40	.222	.0593	.0575	.0406	.6257	1.1532	.3984
41	.228	.0383	.0417	.0249	.4682	.8261	.2854
42	.233	.0316	.0324	.0184	.3659	.6376	.2203
43	.239	.0320	.0310	.0161	.3693	.6637	.2224
44	.244	.0286	.0300	.0131	.3834	.7067	.2441
45	.250	.0310	.0313	.0144	.4999	.9214	.3183
46	.256	.0348	.0328	.0158	.6954	1.2080	.4173
47	.261	.0306	.0298	.0128	.6348	1.1701	.4042
48	.267	.0232	.0226	.0058	.5471	.6397	.2210
49	.272	.0163	.0171	.0002	.0118	.0214	.0074
50	.278	.0188	.0177	.0007	.0617	.1137	.0393
51	.283	.0219	.0204	.0034	.1965	.3662	.1302
52	.289	.0191	.0186	.0016	.1066	.1868	.1315
53	.294	.0133	.0143	.0000	.0000	.0000	.0000
54	.300	.0115	.0131	.0000	.0000	.0000	.0000
55	.306	.0162	.0166	.0000	.0000	.0000	.0000
56	.311	.0226	.0203	.0033	.0033	.0061	.0021
57	.317	.0198	.0186	.0016	.0016	.0030	.0010
58	.322	.0123	.0148	.0000	.0000	.0000	.0000
59	.328	.0149	.0155	.0000	.0000	.0000	.0000
60	.333	.0201	.0175	.0005	.0005	.0009	.0003



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 11/ 5/56 AV. T= 8.2 RECORD = JHC081
HOUR = 21 SIG.HGT. = 36.8 UPPER HGT. = 33.5
TOTAL DF =184 CORR. VAR. = 99.2 LOWER HGT. = 26.3
NOISE LEVEL = .0104 WIND SPEED = 0

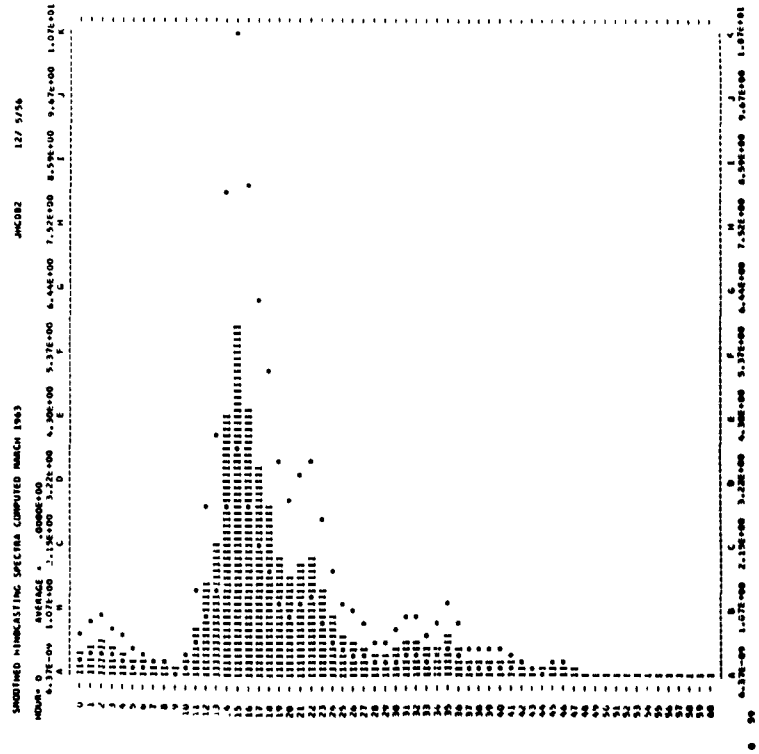
N	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1882	.1882	.1697	.1697	.3129	.1081
1	.006	.3176	.3176	.3071	.3071	.5661	.1956
2	.011	.4822	.4822	.4817	.4817	.8326	.2876
3	.017	.3949	.3949	.3804	.3804	.7006	.2668
4	.022	.3746	.3746	.3641	.3641	.6712	.2319
5	.028	.3797	.3797	.3682	.3682	.6732	.2326
6	.033	.2289	.2289	.2184	.3408	.6267	.2168
7	.039	.1316	.1316	.1211	.1685	.3868	.1068
8	.044	.0977	.0977	.0872	.1086	.2868	.0692
9	.050	.1189	.1189	.1084	.1874	.2348	.0811
10	.056	.2317	.2317	.2212	.2922	.4648	.1606
11	.061	1.4298	1.4298	1.4193	1.8284	3.3780	1.1642
12	.067	5.4828	5.4828	5.3923	6.1165	11.2737	3.8944
13	.072	6.9918	6.9918	6.9618	8.0148	14.7728	5.1034
14	.078	4.1877	4.1877	4.1772	4.9804	9.1391	3.1572
15	.083	2.1722	2.1722	2.1617	2.6998	4.9826	1.6936
16	.089	2.3639	2.3639	2.3534	3.0230	5.5718	1.9249
17	.094	2.5000	2.5000	2.4895	3.3619	6.1968	2.1606
18	.100	1.8735	1.8735	1.8630	2.6999	4.9825	1.6936
19	.106	1.3413	1.3413	1.3308	2.0220	3.7268	1.2878
20	.111	1.1901	1.1901	1.1686	1.8659	3.4384	1.1879
21	.117	.9524	.9524	.9419	1.6431	3.0285	1.0463
22	.122	.6836	.6836	.6731	1.2674	2.3360	.8070
23	.128	.4987	.4987	.4882	.9968	1.8372	.6347
24	.133	.4961	.4961	.4856	1.0802	1.9910	.6878
25	.139	.5465	.5465	.5360	1.3092	2.4057	.8311
26	.144	.5163	.5163	.5058	1.3539	2.4955	.8621
27	.150	.3266	.3266	.3161	.9334	1.7203	.5943
28	.156	.1853	.1853	.1748	.5722	1.0546	.3643
29	.161	.2062	.2062	.1957	.7128	1.3138	.4539
30	.167	.2405	.2405	.2300	.9366	1.7265	.5964
31	.172	.1973	.1973	.1868	.8530	1.5723	.5432
32	.178	.1133	.1133	.1028	.5296	.9761	.3372
33	.183	.0813	.0813	.0708	.4123	.7599	.2625
34	.189	.0994	.0994	.0889	.5883	1.0843	.3746
35	.194	.1046	.1046	.0941	.7097	1.3081	.4519
36	.200	.0772	.0772	.0667	.5763	1.0622	.3670
37	.206	.0547	.0547	.0442	.4388	.8088	.2794
38	.211	.0438	.0438	.0333	.3817	.7036	.2431
39	.217	.0363	.0363	.0258	.3430	.6322	.2184
40	.222	.0330	.0324	.0219	.3386	.6240	.2156
41	.228	.0273	.0289	.0185	.3323	.6124	.2116
42	.233	.0280	.0294	.0190	.4011	.7392	.2554
43	.239	.0345	.0325	.0220	.5476	1.0094	.3487
44	.244	.0330	.0315	.0210	.6179	1.1388	.3934
45	.250	.0255	.0261	.0156	.5447	1.0040	.3469
46	.256	.0204	.0208	.0104	.4300	.7926	.2738
47	.261	.0170	.0172	.0068	.3944	.6166	.2130
48	.267	.0144	.0144	.0040	.2378	.4383	.1514
49	.272	.0120	.0123	.0019	.1359	.2506	.0866
50	.278	.0110	.0113	.0009	.0779	.1436	.0496
51	.283	.0114	.0123	.0019	.1708	.3148	.1088
52	.289	.0154	.0145	.0041	.0041	.0076	.0026
53	.294	.0160	.0143	.0038	.0038	.0071	.0024
54	.300	.0097	.0103	.0000	.0000	.0000	.0000
55	.306	.0060	.0073	.0000	.0000	.0000	.0000
56	.311	.0076	.0076	.0000	.0000	.0000	.0000
57	.317	.0092	.0089	.0000	.0000	.0000	.0000
58	.322	.0097	.0096	.0000	.0000	.0000	.0000
59	.328	.0098	.0098	.0000	.0000	.0000	.0000
60	.333	.0098	.0098	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 12/ 5/56 AV. T= 8.9 RECORD = JHC082
HOUR = 0 SIG.HGT. = 26.8 UPPER HGT. = 29.3
TOTAL DF =169 CORR. VAR. = 45.0 LOWER HGT. = 24.6
NOISE LEVEL = .0110 WIND SPEED = 30

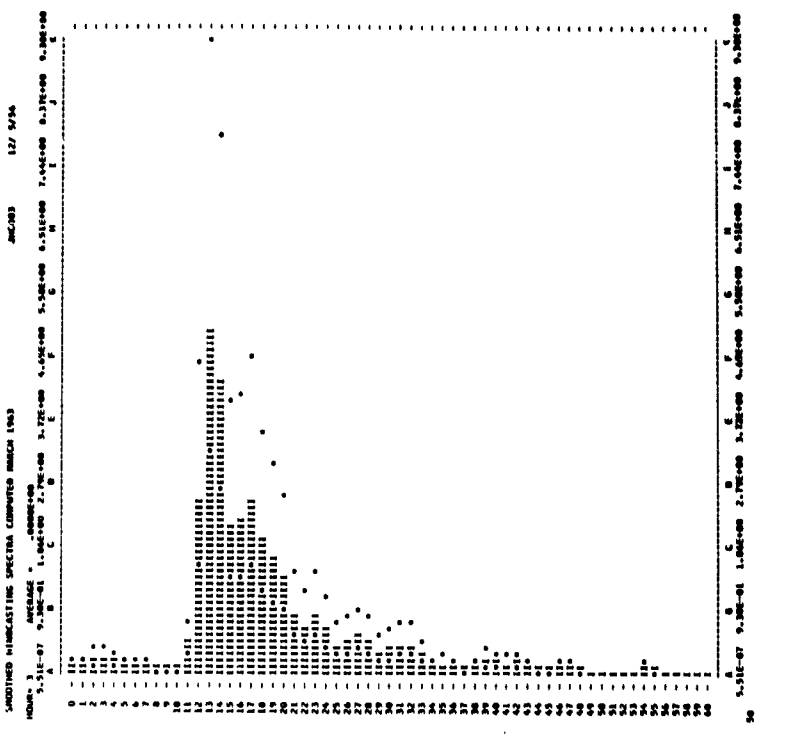
N	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.3759	.3759	.3649	.3649	.6726	.2324
1	.006	.4656	.4656	.4546	.4546	.8380	.2895
2	.011	.5415	.5415	.5305	.5305	.9778	.3378
3	.017	.4407	.4407	.4297	.4297	.7921	.2736
4	.022	.3399	.3399	.3289	.3289	.6063	.2096
5	.028	.2563	.2563	.2453	.2453	.4522	.1562
6	.033	.1359	.1359	.1249	.2019	.3720	.1285
7	.039	.0945	.0945	.0835	.1148	.2115	.0731
8	.044	.0847	.0847	.0737	.0918	.1692	.0585
9	.050	.0789	.0789	.0679	.0798	.1471	.0508
10	.056	.1608	.1608	.1498	.1708	.3148	.1088
11	.061	.6883	.6883	.6773	.7648	1.4096	.4870
12	.067	1.3472	1.3472	1.3362	1.5157	2.7936	.9651
13	.072	1.8545	1.8545	1.8435	2.1287	3.9236	1.3556
14	.078	3.6726	3.6726	3.6616	4.3461	8.0109	2.7673
15	.083	4.7467	4.7467	4.7357	5.8268	10.7397	3.7102
16	.089	3.4583	3.4583	3.4473	4.4281	8.1616	2.8195
17	.094	2.5245	2.5245	2.5135	3.3943	6.2562	2.1613
18	.100	1.9369	1.9369	1.9259	2.7497	5.0680	1.7508
19	.106	1.2754	1.2754	1.2644	1.9211	3.5408	1.2232
20	.111	.9922	.9922	.9812	1.5936	2.9373	1.0147
21	.117	1.0350	1.0350	1.0240	1.7863	3.2925	1.1374
22	.122	1.0431	1.0431	1.0321	1.9433	3.5818	1.2374
23	.128	.7028	.7028	.6918	1.4124	2.6032	.8993
24	.133	.4260	.4260	.4150	.9232	1.7015	.5878
25	.139	.2654	.2654	.2544	.6195	1.1419	.3945
26	.144	.2181	.2181	.2071	.5944	1.0218	.3530
27	.150	.1640	.1640	.1530	.4518	.8327	.2877
28	.156	.0932	.0932	.0822	.2691	.4960	.1714
29	.161	.0960	.0960	.0850	.3096	.5707	.1972
30	.167	.1106	.1106	.0996	.4056	.7477	.2583
31	.172	.1303	.1303	.1193	.5468	1.0081	.3483
32	.178	.1169	.1169	.1059	.5454	1.0053	.3473
33	.183	.0760	.0760	.0650	.3784	.6975	.2410
34	.189	.0782	.0782	.0672	.4448	.8196	.2831
35	.194	.0950	.0950	.0840	.5335	1.0176	.4034
36	.200	.0844	.0844	.0534	.4631	.8535	.2948
37	.206	.0333	.0333	.0223	.2215	.4082	.1410
38	.211	.0299	.0299	.0189	.2167	.3994	.1380
39	.217	.0282	.0282	.0172	.2287	.4215	.1456
40	.222	.0245	.0246	.0136	.2099	.3869	.1336
41	.228	.0211	.0206	.0097	.1744	.3214	.1110
42	.233	.0159	.0158	.0049	.1031	.1900	.0656
43	.239	.0105	.0125	.0016	.0387	.0713	.0246
44	.244	.0132	.0135	.0025	.0736	.1357	.0469
45	.250	.0170	.0148	.0039	.1351	.2491	.0861
46	.256	.0122	.0133	.0023	.0967	.1782	.0616
47	.261	.0118	.0127	.0017	.0858	.1582	.0547
48	.267	.0150	.0138	.0028	.0029	.0053	.0018
49	.272	.0135	.0138	.0028	.0028	.0052	.0018
50	.278	.0132	.0139	.0029	.0029	.0054	.0019
51	.283	.0156	.0150	.0040	.0040	.0074	.0026
52	.289	.0156	.0151	.0042	.0042	.0077	.0027
53	.294	.0138	.0140	.0030	.0030	.0056	.0019
54	.300	.0128	.0125	.0016	.0016	.0029	.0010
55	.306	.0108	.0107	.0000	.0000	.0000	.0000
56	.311	.0086	.0092	.0000	.0000	.0000	.0000
57	.317	.0089	.0086	.0000	.0000	.0000	.0000
58	.322	.0081	.0082	.0000	.0000	.0000	.0000
59	.328	.0077	.0080	.0000	.0000	.0000	.0000
60	.333	.0086	.0086	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 12/ 5/56 AV. T= 9.1 RECORD = JHC083
HOUR = 3 SIG.HGT. = 23.2 UPPER HGT. = 25.5
TOTAL DF =163 CORR. VAR. = 33.6 LOWER HGT. = 21.1
NOISE LEVEL = .0059 WIND SPEED = 0

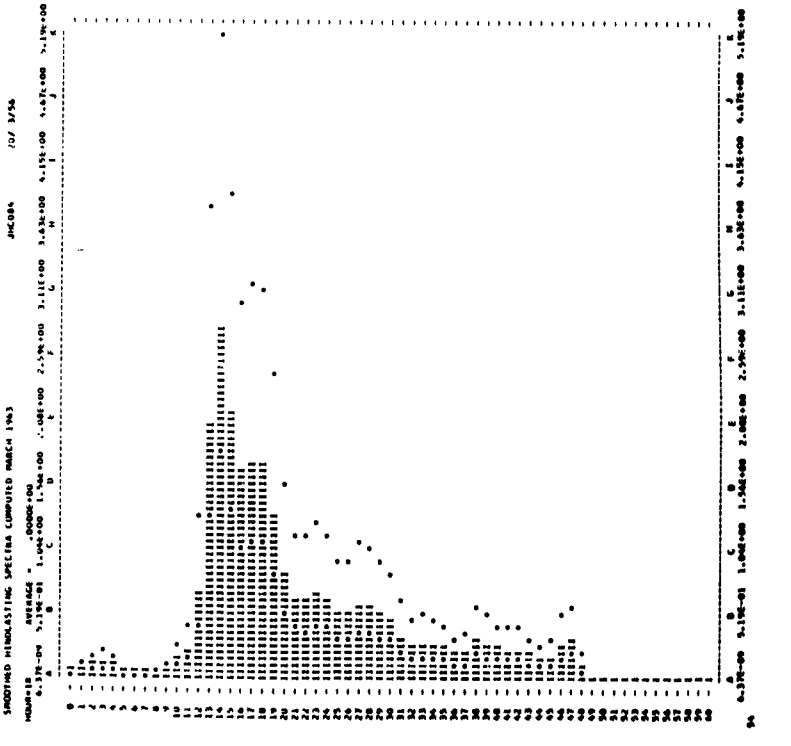
N	FRE.	UNIT=FT.2 FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0000	.0000	.0060	.1360	.0535
1	.006	.1299	.1299	.1196	.2204	.0762
2	.011	.1984	.1984	.1845	.3401	.1175
3	.017	.2251	.2251	.2192	.4048	.1396
4	.022	.1721	.1721	.1662	.3063	.1058
5	.028	.0844	.0844	.0785	.1447	.0500
6	.033	.0692	.0692	.0633	.1085	.0681
7	.039	.0691	.0691	.0632	.0868	.1600
8	.044	.0599	.0599	.0540	.0623	.1167
9	.050	.0602	.0602	.0543	.0638	.1179
10	.056	.0649	.0649	.0638	.0718	.1324
11	.061	.3798	.3798	.3739	.4222	.7781
12	.067	2.1835	2.1835	2.1776	2.4780	4.5827
13	.072	4.5756	4.5756	4.5697	5.0457	9.2990
14	.078	3.6112	3.6112	3.6053	4.2749	7.8877
15	.083	1.7303	1.7303	1.7444	2.1463	3.9560
16	.089	1.7403	1.7403	1.7434	2.2394	4.1278
17	.094	1.8874	1.8874	1.8813	2.5408	4.6830
18	.100	1.3611	1.3611	1.3552	1.9348	3.5661
19	.106	1.0964	1.0964	1.0905	1.6568	3.0537
20	.111	.8742	.8742	.8683	1.4102	2.5992
21	.117	.4678	.4678	.4618	.8052	1.4841
22	.122	.3568	.3568	.3506	.6601	1.2167
23	.128	.4026	.4026	.3967	.8099	1.4927
24	.133	.2822	.2822	.2763	.6146	1.1327
25	.139	.1690	.1690	.1631	.3971	.7320
26	.144	.1670	.1670	.1611	.4312	.7947
27	.150	.1844	.1844	.1785	.5270	.9713
28	.156	.1473	.1473	.1416	.4627	.8529
29	.161	.0944	.0944	.0885	.3232	.5958
30	.167	.0869	.0869	.0810	.3298	.6078
31	.172	.0935	.0935	.0876	.3999	.7371
32	.178	.0823	.0823	.0764	.3934	.7250
33	.183	.0481	.0481	.0422	.2693	.4926
34	.189	.0221	.0221	.0162	.1071	.1974
35	.194	.0227	.0227	.0168	.1266	.2334
36	.200	.0177	.0177	.0118	.1018	.1877
37	.206	.0116	.0116	.0058	.0643	.1004
38	.211	.0148	.0148	.0089	.1018	.1877
39	.217	.0199	.0199	.0140	.1897	.3423
40	.222	.0158	.0158	.0099	.1526	.2813
41	.228	.0121	.0121	.0078	.1384	.2496
42	.233	.0129	.0129	.0070	.1471	.2712
43	.239	.0116	.0110	.0091	.1298	.2321
44	.244	.0068	.0079	.0020	.0600	.1106
45	.250	.0066	.0072	.0013	.0468	.0863
46	.256	.0090	.0084	.0025	.1094	.1908
47	.261	.0090	.0089	.0025	.1261	.2324
48	.267	.0068	.0071	.0012	.0728	.1327
49	.272	.0058	.0060	.0001	.0586	.0158
50	.278	.0055	.0055	.0000	.0000	.0000
51	.283	.0050	.0052	.0000	.0000	.0000
52	.289	.0053	.0053	.0000	.0000	.0000
53	.294	.0057	.0058	.0000	.0000	.0000
54	.300	.0064	.0063	.0004	.0760	.1402
55	.306	.0067	.0061	.0002	.0582	.1072
56	.311	.0048	.0052	.0000	.0000	.0000
57	.317	.0045	.0049	.0000	.0000	.0000
58	.322	.0058	.0058	.0000	.0000	.0000
59	.328	.0071	.0069	.0010	.0010	.0007
60	.333	.0078	.0074	.0015	.0015	.0028



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 20/ 5/56 AV. T= 7.7 RECORD = JHC084
HOUR = 18 SIG.HGT. = 20.3 UPPER HGT. = 22.0
TOTAL DF =202 CORR. VAR. = 29.7 LOWER HGT. = 18.7
NOISE LEVEL = .0079 WIND SPEED = 0

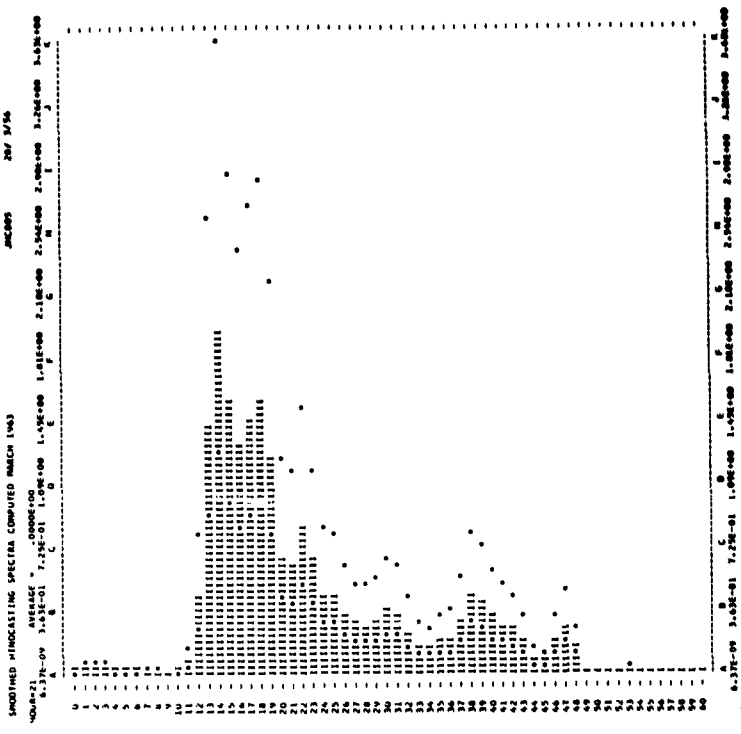
N	FRE.	UNIT=FT.2 FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0380	.0380	.0305	.0305	.0963	.0194
1	.006	.0588	.0588	.0513	.0513	.0946	.0327
2	.011	.0968	.0968	.0893	.0893	.1646	.0569
3	.017	.1170	.1170	.1095	.1095	.2019	.0697
4	.022	.0896	.0896	.0821	.0821	.1514	.0523
5	.028	.0408	.0408	.0333	.0333	.0614	.0217
6	.033	.0266	.0266	.0191	.0309	.0570	.0197
7	.039	.0283	.0283	.0208	.0286	.0527	.0182
8	.044	.0228	.0228	.0153	.0191	.0352	.0122
9	.050	.0500	.0500	.0425	.0500	.0921	.0318
10	.056	.1286	.1286	.1209	.1378	.2541	.0878
11	.061	.2080	.2080	.2005	.2264	.4173	.1442
12	.067	.6179	.6179	.6102	.6834	1.2762	.4409
13	.072	1.7804	1.7804	1.7729	2.0472	3.7733	1.3035
14	.078	2.3787	2.3787	2.3712	2.8146	5.1878	1.7922
15	.083	1.7311	1.7311	1.7236	2.1208	3.9089	1.3504
16	.089	1.2858	1.2858	1.2783	1.6920	3.0265	1.0459
17	.094	1.2864	1.2864	1.2789	1.7271	3.1832	1.0997
18	.100	1.1944	1.1944	1.1869	1.6946	3.1234	1.0790
19	.106	.8772	.8772	.8697	1.3214	2.4355	.8414
20	.111	.5335	.5335	.5260	.8563	1.5746	.5440
21	.117	.3704	.3704	.3629	.6331	1.1669	.4031
22	.122	.3313	.3313	.3238	.6097	1.1238	.3882
23	.128	.3372	.3372	.3297	.6731	1.2407	.4286
24	.133	.2823	.2823	.2748	.6113	1.1267	.3892
25	.139	.2173	.2173	.2098	.5109	.9417	.3253
26	.144	.1940	.1940	.1865	.4992	.9202	.3179
27	.150	.2057	.2057	.1982	.5852	1.0787	.3726
28	.156	.1827	.1827	.1752	.5734	1.0569	.3651
29	.161	.1494	.1494	.1399	.4950	.9123	.3152
30	.167	.1194	.1194	.1119	.4557	.8399	.2902
31	.172	.0791	.0791	.0716	.3270	.6027	.2082
32	.178	.0594	.0594	.0519	.2674	.4928	.1702
33	.183	.0560	.0560	.0485	.2824	.5205	.1798
34	.189	.0460	.0460	.0385	.2548	.4696	.1622
35	.194	.0387	.0387	.0312	.2354	.4339	.1499
36	.200	.0286	.0286	.0211	.1824	.3362	.1161
37	.206	.0280	.0280	.0205	.2036	.3752	.1296
38	.211	.0263	.0263	.0268	.3071	.5660	.1955
39	.217	.0278	.0278	.0203	.2697	.4971	.1717
40	.222	.0210	.0226	.0152	.2341	.4315	.1491
41	.228	.0200	.0201	.0126	.2278	.4183	.1444
42	.233	.0177	.0177	.0103	.2164	.1989	.1378
43	.239	.0147	.0140	.0076	.1826	.3366	.1163
44	.244	.0122	.0126	.0051	.1498	.2760	.0954
45	.250	.0112	.0123	.0049	.1698	.3129	.1081
46	.256	.0148	.0140	.0069	.2706	.4987	.1723
47	.261	.0152	.0139	.0068	.2586	.5504	.1702
48	.267	.0088	.0095	.0021	.1220	.2249	.0777
49	.272	.0093	.0071	.0000	.0000	.0000	.0000
50	.278	.0092	.0086	.0012	.0012	.0021	.0007
51	.283	.0108	.0098	.0027	.0027	.0049	.0015
52	.289	.0083	.0090	.0016	.0016	.0029	.0010
53	.294	.0087	.0088	.0014	.0014	.0025	.0009
54	.300	.0096	.0089	.0014	.0014	.0026	.0009
55	.306	.0076	.0078	.0004	.0004	.0007	.0002
56	.311	.0066	.0070	.0000	.0000	.0000	.0000
57	.317	.0071	.0067	.0000	.0000	.0000	.0000
58	.322	.0060	.0060	.0000	.0000	.0000	.0000
59	.328	.0051	.0054	.0000	.0000	.0000	.0000
60	.333	.0054	.0052	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 20/ 3/56 AV. T= 7.4 RECORD = JHC085
HOUR = 21 SIG.HGT. = 18.1 UPPER HGT. = 19.6
TOTAL DF =309 CORR. VAR. = 20.5 LOWER HGT. = 16.7
NOISE LEVEL = .0006 WIND SPEED = 0

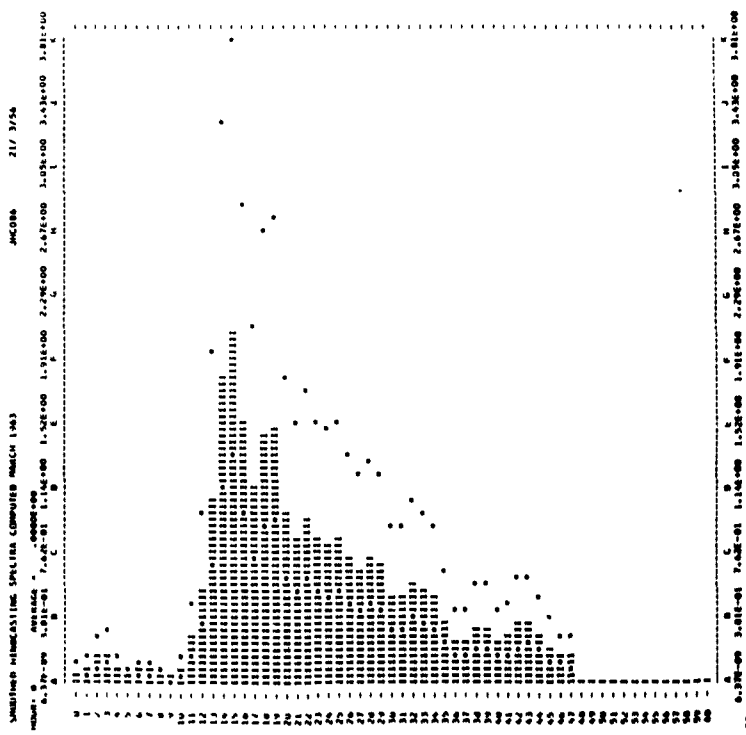
N	FRE. UNIT=PT.2	FILTERED	-NOISE	CORR.PT.2	UPPER	LOWER
0	.000	.0378	.0378	.0284	.0284	.0524	.0181
1	.006	.0468	.0468	.0379	.0379	.0699	.0241
2	.011	.0536	.0536	.0428	.0428	.0774	.0267
3	.017	.0397	.0397	.0311	.0311	.0573	.0198
4	.022	.0346	.0346	.0260	.0260	.0479	.0166
5	.028	.0308	.0308	.0214	.0214	.0394	.0136
6	.033	.0258	.0258	.0164	.0265	.0488	.0169
7	.039	.0214	.0214	.0128	.0176	.0324	.0112
8	.044	.0190	.0190	.0104	.0130	.0239	.0082
9	.050	.0126	.0126	.0060	.0067	.0087	.0030
10	.056	.0328	.0328	.0262	.0276	.0508	.0176
11	.061	.0769	.0769	.0663	.0771	.1421	.0491
12	.067	.3848	.3848	.3762	.4267	.7869	.2717
13	.072	1.2323	1.2323	1.2237	1.4138	2.6064	.8997
14	.078	1.6668	1.6668	1.6579	1.9679	3.6272	1.2531
15	.083	1.2771	1.2771	1.2685	1.9008	2.8707	.9930
16	.089	1.0356	1.0356	1.0270	1.3193	2.4315	.8400
17	.094	1.0830	1.0830	1.0744	1.4509	2.6762	.9238
18	.100	1.0890	1.0890	1.0804	1.5425	2.8430	.9822
19	.106	.8171	.8171	.8085	1.2284	2.2660	.7821
20	.111	.4182	.4182	.4096	.6420	1.2301	.4215
21	.117	.3669	.3669	.3583	.6258	1.1520	.3980
22	.122	.4470	.4470	.4384	.8254	1.5214	.5256
23	.128	.3215	.3215	.3129	.6388	1.1774	.4067
24	.133	.2094	.2094	.2008	.4466	.8232	.2844
25	.139	.1876	.1876	.1788	.4184	.8024	.2772
26	.144	.1354	.1354	.1268	.3194	.6295	.2161
27	.150	.1050	.1050	.0964	.2846	.5246	.1812
28	.156	.0917	.0917	.0831	.2758	.5081	.1732
29	.161	.0871	.0871	.0785	.2859	.5269	.1820
30	.167	.0965	.0965	.0879	.3579	.6596	.2279
31	.172	.0798	.0798	.0712	.3251	.5991	.2070
32	.178	.0539	.0539	.0449	.2312	.4261	.1472
33	.183	.0357	.0357	.0271	.1577	.2907	.1004
34	.189	.0306	.0306	.0220	.1455	.2682	.0927
35	.194	.0330	.0330	.0244	.1840	.3391	.1171
36	.200	.0314	.0314	.0228	.1969	.3629	.1254
37	.206	.0378	.0378	.0292	.2896	.5338	.1844
38	.211	.0472	.0472	.0386	.4468	.8144	.2813
39	.217	.0380	.0380	.0294	.3901	.7191	.2484
40	.222	.0288	.0288	.0202	.3112	.5736	.1982
41	.228	.0235	.0235	.0150	.2493	.4593	.1715
42	.233	.0198	.0199	.0113	.2381	.4388	.1516
43	.239	.0160	.0156	.0070	.1739	.3206	.1107
44	.244	.0106	.0114	.0028	.0830	.1530	.0528
45	.250	.0085	.0103	.0017	.0584	.1076	.0372
46	.256	.0135	.0127	.0042	.1721	.3172	.1096
47	.261	.0155	.0138	.0052	.2578	.4751	.1641
48	.267	.0107	.0110	.0024	.1443	.2660	.0919
49	.272	.0081	.0081	.0000	.0000	.0000	.0000
50	.278	.0073	.0074	.0000	.0000	.0000	.0000
51	.283	.0078	.0077	.0000	.0000	.0000	.0000
52	.289	.0080	.0080	.0000	.0000	.0000	.0000
53	.294	.0088	.0087	.0001	.0161	.0296	.0102
54	.300	.0102	.0098	.0013	.0013	.0023	.0008
55	.306	.0107	.0100	.0015	.0015	.0027	.0009
56	.311	.0086	.0089	.0003	.0003	.0006	.0002
57	.317	.0078	.0079	.0000	.0000	.0000	.0000
58	.322	.0074	.0077	.0000	.0000	.0000	.0000
59	.328	.0082	.0083	.0000	.0000	.0000	.0000
60	.333	.0094	.0088	.0002	.0002	.0004	.0001



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 21/ 3/56 AV. T= 7.3 RECORD = JHC086
HOUR = 0 SIG.HGT. = 20.4 UPPER HGT. = 21.9
TOTAL DF =264 CORR. VAR. = 26.1 LOWER HGT. = 19.0
NOISE LEVEL = .0096 WIND SPEED = 0

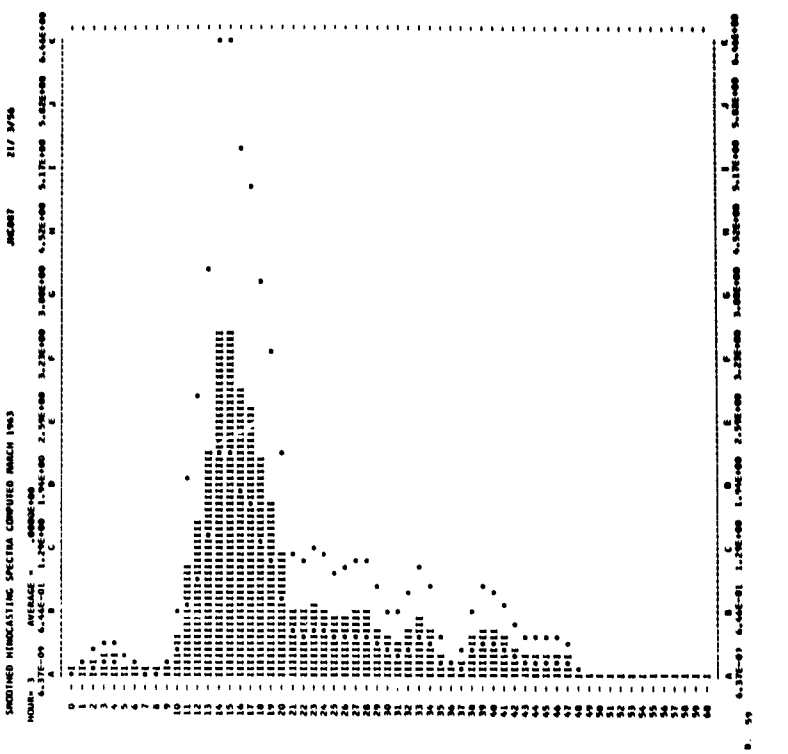
N	FRE. UNIT=PT.2	FILTERED	-NOISE	CORR.PT.2	UPPER	LOWER
0	.000	.0634	.0634	.0538	.0538	.0991	.0342
1	.006	.0865	.0865	.0769	.0769	.1417	.0490
2	.011	.1494	.1494	.1398	.1398	.2576	.0890
3	.017	.1791	.1791	.1695	.1695	.3050	.1054
4	.022	.1010	.1010	.0914	.0914	.1684	.0582
5	.028	.0426	.0426	.0330	.0330	.0608	.0210
6	.033	.0532	.0532	.0436	.0704	.1298	.0448
7	.039	.0575	.0575	.0479	.0658	.1213	.0419
8	.044	.0386	.0386	.0290	.0361	.0665	.0230
9	.050	.0332	.0332	.0236	.0277	.0511	.0176
10	.056	.0811	.0811	.0715	.0815	.1502	.0519
11	.061	.2362	.2362	.2266	.2536	.4674	.1615
12	.067	.4830	.4830	.4734	.5370	.9897	.3419
13	.072	.9225	.9225	.9129	1.0541	1.9429	.6712
14	.078	1.5315	1.5315	1.5219	1.8065	3.3296	1.1503
15	.083	1.6898	1.6898	1.6802	2.0673	3.8103	1.3163
16	.089	1.2011	1.2011	1.1915	1.9305	2.8209	.9745
17	.094	.8562	.8562	.8466	1.1405	2.1022	.7262
18	.100	1.0203	1.0203	1.0107	1.4430	2.6596	.9188
19	.106	.9956	.9956	.9860	1.4980	2.7611	.9538
20	.111	.6004	.6004	.5908	.9761	1.7994	.6203
21	.117	.4809	.4809	.4713	.8221	1.5153	.5235
22	.122	.5075	.5075	.4979	.9374	1.7278	.5969
23	.128	.4110	.4110	.4014	.8194	1.5103	.5218
24	.133	.3680	.3680	.3584	.7972	1.4693	.5076
25	.139	.3534	.3534	.3438	.8371	1.5429	.5330
26	.144	.2816	.2816	.2720	.7280	1.3418	.4635
27	.150	.2318	.2318	.2222	.6540	1.2050	.4177
28	.156	.2265	.2265	.2169	.7065	1.3022	.4499
29	.161	.1933	.1933	.1837	.6689	1.2328	.4259
30	.167	.1318	.1318	.1222	.4975	.9169	.3168
31	.172	.1202	.1202	.1106	.4944	.9306	.3215
32	.178	.1213	.1213	.1117	.5751	1.0600	.3662
33	.183	.1021	.1021	.0925	.5382	.9920	.3427
34	.189	.0857	.0857	.0761	.5032	.9275	.3204
35	.194	.0573	.0573	.0477	.3595	.6626	.2289
36	.200	.0392	.0392	.0296	.2209	.4072	.1407
37	.206	.0334	.0334	.0238	.2334	.4368	.1502
38	.211	.0372	.0372	.0276	.3158	.5820	.2011
39	.217	.0324	.0324	.0228	.3024	.5573	.1925
40	.222	.0217	.0246	.0150	.2308	.4254	.1470
41	.228	.0225	.0234	.0138	.2492	.4593	.1587
42	.233	.0271	.0251	.0155	.3264	.6016	.2078
43	.239	.0236	.0232	.0136	.3368	.6209	.2145
44	.244	.0184	.0189	.0093	.2741	.5052	.1745
45	.250	.0156	.0156	.0060	.2094	.3861	.1327
46	.256	.0132	.0133	.0037	.1539	.2836	.0980
47	.261	.0119	.0126	.0030	.1468	.2705	.0935
48	.267	.0141	.0140	.0044	.0044	.0081	.0028
49	.272	.0146	.0146	.0050	.0050	.0093	.0032
50	.278	.0117	.0119	.0023	.0023	.0042	.0015
51	.283	.0078	.0088	.0000	.0000	.0000	.0000
52	.289	.0078	.0082	.0000	.0000	.0000	.0000
53	.294	.0095	.0097	.0001	.0001	.0002	.0001
54	.300	.0120	.0114	.0018	.0018	.0034	.0012
55	.306	.0123	.0118	.0022	.0022	.0040	.0014
56	.311	.0106	.0106	.0010	.0010	.0018	.0006
57	.317	.0089	.0094	.0000	.0000	.0000	.0000
58	.322	.0092	.0090	.0000	.0000	.0000	.0000
59	.328	.0089	.0087	.0000	.0000	.0000	.0000
60	.333	.0079	.0086	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 21/ 3/56 AV. T= 8.1 RECORD = JMC087
HOUR = 3 SIG.HGT. = 23.7 UPPER HGT. = 25.8
TOTAL OF =192 CORR. VAR. = 39.2 LOWER HGT. = 21.8
NOISE LEVEL = .0156 WIND SPEED = 0

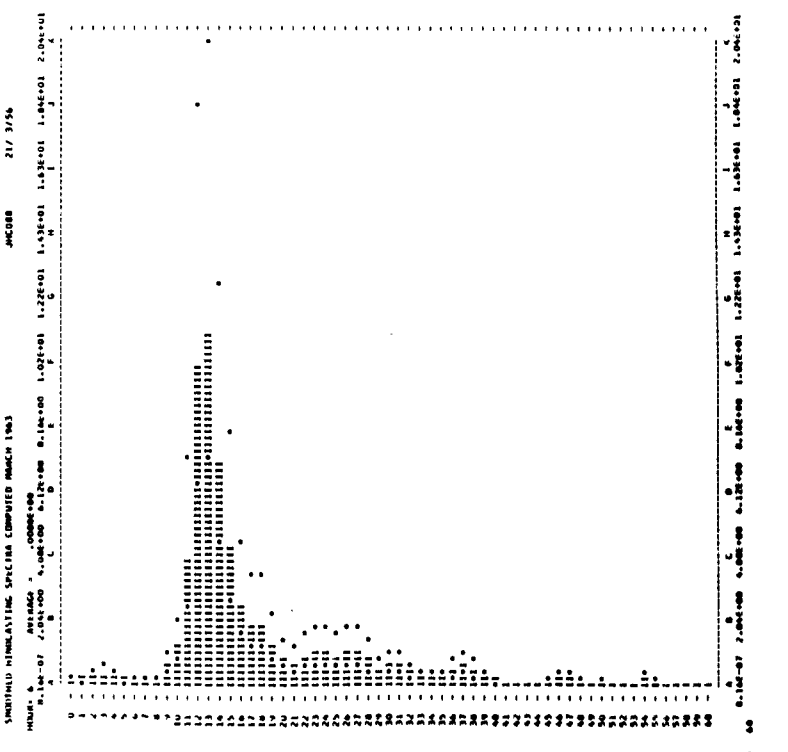
M	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0578	.0578	.0422	.0422	.0779	.0269
1	.006	.0894	.0894	.0738	.0738	.1361	.0470
2	.011	.1500	.1500	.1344	.1344	.2478	.0896
3	.017	.1946	.1946	.1790	.1790	.3300	.1140
4	.022	.1821	.1821	.1665	.1665	.3070	.1060
5	.028	.1967	.1967	.0911	.0911	.1680	.0580
6	.033	.0831	.0831	.0375	.0607	.1118	.0386
7	.039	.0405	.0405	.0249	.0343	.0632	.0218
8	.044	.0521	.0521	.0368	.0485	.0839	.0290
9	.050	.0784	.0784	.0568	.0644	.1187	.0410
10	.056	.1340	.1340	.3192	.3639	.6707	.2317
11	.061	.9804	.9804	.9648	1.0804	2.0078	.6927
12	.067	1.3692	1.3692	1.3536	1.9394	2.8300	.9777
13	.072	1.9633	1.9633	1.9479	2.2693	4.1458	1.4322
14	.078	2.9700	2.9700	2.9544	3.5069	6.4636	2.2330
15	.083	2.8641	2.8641	2.8485	3.9049	6.4600	2.2317
16	.089	2.2832	2.2832	2.2676	3.9128	5.3687	1.8547
17	.094	2.0165	2.0165	2.0009	2.7021	4.9803	1.7208
18	.100	1.9438	1.9438	1.9282	2.1819	4.0215	1.3895
19	.106	1.1899	1.1899	1.1699	1.7775	3.2762	1.1318
20	.111	.7784	.7784	.7968	1.2292	2.2696	.7827
21	.117	.3956	.3956	.3798	.6626	1.2213	.4219
22	.122	.3439	.3439	.3283	.6182	1.1398	.3936
23	.128	.3898	.3898	.3442	.7028	1.2953	.4479
24	.133	.3182	.3182	.3026	.6732	1.2408	.4286
25	.139	.2696	.2696	.2340	.5699	1.0504	.3629
26	.144	.2364	.2364	.2208	.5911	1.0895	.3764
27	.150	.2348	.2348	.2189	.6466	1.1916	.4116
28	.156	.2046	.2046	.1890	.6187	1.1403	.3939
29	.161	.1481	.1481	.1325	.4827	.8896	.3073
30	.167	.1090	.1090	.0894	.3642	.6712	.2319
31	.172	.0921	.0921	.0769	.3498	.6441	.2225
32	.178	.1020	.1020	.0864	.4491	.8204	.2834
33	.183	.1153	.1153	.0997	.5804	1.0698	.3696
34	.189	.0884	.0884	.0728	.4816	.8880	.3068
35	.194	.0468	.0468	.0292	.2205	.4064	.1404
36	.200	.0283	.0283	.0079	.0686	.1265	.0437
37	.206	.0295	.0295	.0139	.1383	.2549	.0881
38	.211	.0472	.0472	.0316	.3622	.6677	.2306
39	.217	.0517	.0517	.0361	.4796	.8841	.3054
40	.222	.0493	.0492	.0296	.4569	.8422	.2909
41	.228	.0384	.0376	.0220	.3971	.7318	.2528
42	.233	.0288	.0291	.0138	.2868	.5281	.1824
43	.239	.0215	.0294	.0079	.1955	.3604	.1245
44	.244	.0224	.0221	.0066	.1937	.3569	.1233
45	.250	.0223	.0219	.0064	.2227	.4104	.1418
46	.256	.0209	.0209	.0053	.2216	.4085	.1411
47	.261	.0197	.0189	.0033	.1699	.3057	.1056
48	.267	.0154	.0158	.0003	.0177	.0326	.0113
49	.272	.0129	.0139	.0000	.0000	.0000	.0000
50	.278	.0140	.0140	.0000	.0000	.0000	.0000
51	.283	.0145	.0144	.0000	.0000	.0000	.0000
52	.289	.0144	.0155	.0000	.0000	.0000	.0000
53	.294	.0188	.0183	.0028	.0028	.0051	.0018
54	.300	.0213	.0197	.0042	.0042	.0077	.0027
55	.306	.0175	.0176	.0020	.0020	.0038	.0013
56	.311	.0161	.0153	.0000	.0000	.0000	.0000
57	.317	.0159	.0159	.0000	.0000	.0000	.0000
58	.322	.0171	.0156	.0000	.0000	.0000	.0000
59	.328	.0126	.0128	.0000	.0000	.0000	.0000
60	.333	.0058	.0107	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 21/ 3/56 AV. T= 9.6 RECORD = JMC088
HOUR = 6 SIG.HGT. = 31.0 UPPER HGT. = 34.6
TOTAL OF =109 CORR. VAR. = 60.1 LOWER HGT. = 27.8
NOISE LEVEL = .0117 WIND SPEED = 0

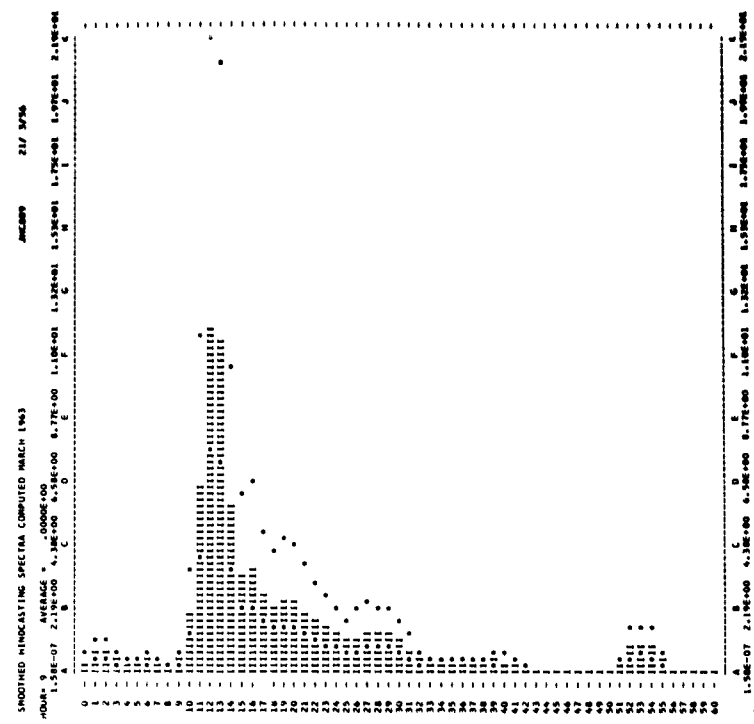
M	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0866	.0866	.0749	.0749	.1381	.0477
1	.006	.1683	.1683	.1566	.1566	.2887	.0997
2	.011	.2867	.2867	.2750	.2750	.5069	.1751
3	.017	.2896	.2896	.2779	.2779	.5122	.1770
4	.022	.2001	.2001	.1884	.1884	.3473	.1200
5	.028	.1221	.1221	.1104	.1104	.2035	.0703
6	.033	.0548	.0548	.0431	.0697	.1284	.0444
7	.039	.0582	.0582	.0465	.0639	.1178	.0407
8	.044	.0805	.0805	.0688	.0857	.1579	.0546
9	.050	.4862	.4862	.4745	.5576	1.0273	.3549
10	.056	1.0289	1.0289	1.0172	1.1595	2.1372	.7383
11	.061	3.4467	3.4467	3.4350	3.8762	7.1444	2.4681
12	.067	8.7736	8.7736	8.7619	9.9386	18.3184	6.3283
13	.072	9.5921	9.5921	9.5804	11.0625	20.3898	7.0439
14	.078	5.8341	5.8341	5.8224	6.9112	12.7384	4.4006
15	.083	3.4997	3.4997	3.4880	4.2916	7.9101	2.7327
16	.089	1.9475	1.9475	1.9358	2.4865	4.5831	1.5833
17	.094	1.4281	1.4281	1.4164	1.9127	3.5254	1.2178
18	.100	1.3317	1.3317	1.3200	1.8846	3.4736	1.2000
19	.106	.8227	.8227	.8110	1.2322	2.2711	.7846
20	.111	.5158	.5158	.5041	.8187	1.5090	.5213
21	.117	.3806	.3806	.3689	.6435	1.1861	.4098
22	.122	.4713	.4713	.4596	.8854	1.5950	.5510
23	.128	.5207	.5207	.5090	1.0591	1.9153	.6617
24	.133	.4350	.4350	.4233	.9416	1.7355	.5995
25	.139	.3779	.3779	.3662	.8917	1.6435	.5678
26	.144	.3679	.3679	.3562	.9534	1.7573	.6071
27	.150	.3418	.3418	.3301	.9746	1.7963	.6206
28	.156	.2378	.2378	.2261	.7399	1.3638	.4712
29	.161	.1458	.1458	.1341	.4883	.9001	.3110
30	.167	.1457	.1457	.1340	.5656	1.0426	.3676
31	.172	.1309	.1309	.1192	.5442	1.0031	.3469
32	.178	.0822	.0822	.0709	.3631	.6692	.2312
33	.183	.0524	.0524	.0407	.2369	.4366	.1508
34	.189	.0398	.0398	.0279	.1846	.3402	.1175
35	.194	.0450	.0450	.0333	.2511	.4628	.1599
36	.200	.0671	.0671	.0554	.4784	.8818	.3048
37	.206	.0655	.0655	.0538	.5336	.9836	.3398
38	.211	.0477	.0477	.0360	.4122	.7597	.2624
39	.217	.0301	.0301	.0184	.2443	.4503	.1555
40	.222	.0167	.0192	.0076	.1186	.2149	.0742
41	.228	.0139	.0147	.0031	.0551	.1016	.0351
42	.233	.0153	.0142	.0026	.0560	.0996	.0344
43	.239	.0122	.0127	.0010	.0257	.0474	.0164
44	.244	.0098	.0118	.0001	.0025	.0046	.0016
45	.250	.0146	.0145	.0029	.0896	.1655	.0571
46	.256	.0192	.0169	.0052	.2170	.3998	.1382
47	.261	.0167	.0151	.0035	.1714	.3160	.1092
48	.267	.0170	.0128	.0011	.0645	.1189	.0411
49	.272	.0126	.0124	.0007	.0490	.0903	.0312
50	.278	.0127	.0125	.0008	.0701	.1293	.0447
51	.283	.0122	.0120	.0004	.1379	.0498	.0241
52	.289	.0111	.0114	.0000	.0000	.0000	.0000
53	.294	.0114	.0119	.0002	.0240	.0935	.0185
54	.300	.0136	.0124	.0012	.2281	.4205	.1453
55	.306	.0129	.0120	.0005	.0738	.1356	.0469
56	.311	.0086	.0094	.0000	.0000	.0000	.0000
57	.317	.0081	.0091	.0000	.0000	.0000	.0000
58	.322	.0115	.0111	.0000	.0000	.0000	.0000
59	.328	.0139	.0131	.0014	.0014	.0026	.0009
60	.333	.0140	.0137	.0021	.0021	.0038	.0013



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 21/ 3/56 AV. T= 8.8 RECORD = JHC089
HOUR = 0 SIG.HGT. = 30.1 UPPER HGT. = 38.7
TOTAL DF =141 CORR. VAR. = 77.1 LOWER HGT. = 31.9
NOISE LEVEL = .0352 WIND SPEED = 0

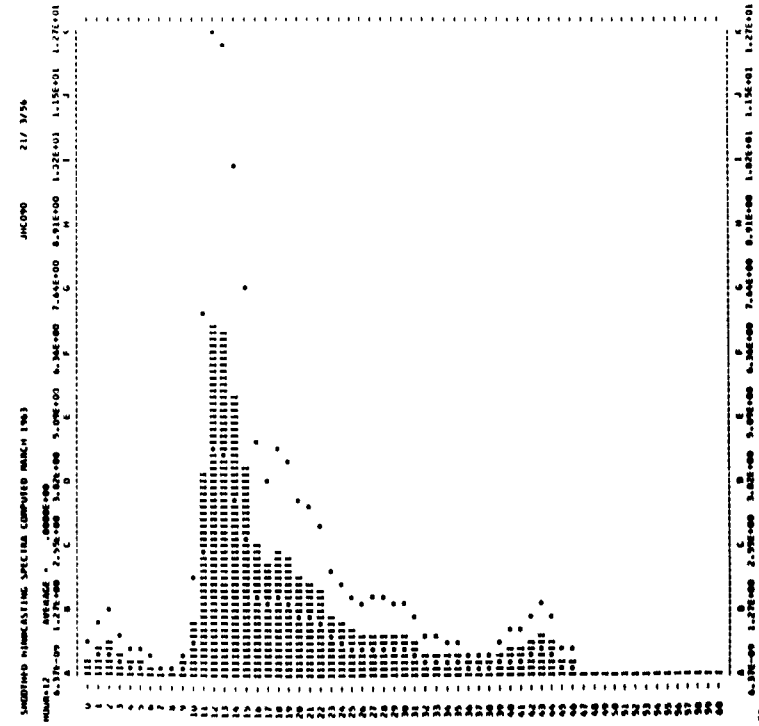
N	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.3490	.3490	.3138	.3138	.9783	.1998
1	.006	.9029	.9029	.8677	.9877	1.0279	.3951
2	.011	.6038	.6038	.5686	.6686	1.1986	.4138
3	.017	.4304	.4304	.3952	.3952	.7899	.2482
4	.022	.2843	.2843	.2491	.2491	.4891	.1586
5	.028	.2578	.2578	.2226	.2226	.4099	.1416
6	.033	.2423	.2423	.2071	.3346	.6166	.2130
7	.039	.1711	.1711	.1359	.1867	.3441	.1189
8	.044	.0927	.0927	.0575	.0716	.1319	.0456
9	.050	.3419	.3419	.3067	.3602	.6639	.2294
10	.056	1.7251	1.7251	1.6899	1.9240	3.5462	1.2251
11	.061	5.6454	5.6454	5.6102	6.3344	11.6793	4.0334
12	.067	10.5191	10.5191	10.4839	11.8918	21.9184	7.5720
13	.072	9.9228	9.9228	9.8876	11.4169	21.0431	7.2696
14	.078	6.8198	6.8198	6.7846	9.6789	10.4671	3.6160
15	.083	2.7665	2.7665	2.7313	3.8605	6.1960	2.1398
16	.089	2.8147	2.8147	2.7795	3.9702	6.5804	2.2733
17	.094	1.9747	1.9747	1.9395	2.6191	4.8273	1.6677
18	.100	1.6093	1.6093	1.5741	2.2673	4.1421	1.4309
19	.106	1.6763	1.6763	1.6411	2.4933	4.5985	1.5876
20	.111	1.4898	1.4898	1.4546	2.3596	4.3613	1.4998
21	.117	1.2276	1.2276	1.1924	2.0800	3.8357	1.3244
22	.122	.9289	.9289	.8937	1.6826	3.1013	1.0714
23	.128	.7403	.7403	.7051	1.4396	2.6550	.9165
24	.133	.5939	.5939	.5587	1.2426	2.2904	.7912
25	.139	.4680	.4680	.4328	1.0050	1.8524	.6400
26	.144	.4806	.4806	.4454	1.1920	2.1971	.7590
27	.150	.4723	.4723	.4371	1.2903	2.3783	.8216
28	.156	.4063	.4063	.3711	1.2143	2.2382	.7732
29	.161	.3728	.3728	.3376	1.2292	2.2656	.7827
30	.167	.2797	.2797	.2445	.9953	1.8345	.6338
31	.172	.1786	.1786	.1434	.6545	1.2066	.4168
32	.178	.1021	.1021	.0669	.3443	.6346	.2192
33	.183	.0701	.0701	.0349	.2029	.3739	.1292
34	.189	.0697	.0697	.0345	.2279	.4201	.1451
35	.194	.0609	.0609	.0257	.1935	.3566	.1232
36	.200	.0640	.0640	.0288	.2484	.4577	.1581
37	.206	.0621	.0621	.0269	.2664	.4910	.1696
38	.211	.0587	.0587	.0235	.2686	.4950	.1710
39	.217	.0601	.0601	.0249	.3299	.6081	.2101
40	.222	.0563	.0556	.0204	.3141	.5790	.2000
41	.228	.0497	.0489	.0137	.2461	.4536	.1567
42	.233	.0399	.0395	.0042	.0895	.1650	.0570
43	.239	.0284	.0300	.0000	.0000	.0000	.0000
44	.244	.0233	.0246	.0000	.0000	.0000	.0000
45	.250	.0236	.0224	.0000	.0000	.0000	.0000
46	.256	.0192	.0211	.0000	.0000	.0000	.0000
47	.261	.0232	.0251	.0000	.0000	.0000	.0000
48	.267	.0350	.0314	.0000	.0000	.0000	.0000
49	.272	.0324	.0317	.0000	.0000	.0000	.0000
50	.278	.0270	.0311	.0000	.0000	.0000	.0000
51	.283	.0382	.0372	.0019	.2040	.3760	.1299
52	.289	.0453	.0419	.0067	.8539	1.5739	.5437
53	.294	.0388	.0408	.0055	.8685	1.6008	.5530
54	.300	.0402	.0396	.0043	.8356	1.5400	.5320
55	.306	.0391	.0368	.0016	.3836	.7067	.2441
56	.311	.0290	.0300	.0000	.0000	.0000	.0000
57	.317	.0229	.0243	.0000	.0000	.0000	.0000
58	.322	.0225	.0258	.0000	.0000	.0000	.0000
59	.328	.0353	.0349	.0000	.0000	.0000	.0000
60	.333	.0467	.0410	.0058	.0058	.0106	.0037



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 21/ 3/56 AV. T= 8.8 RECORD = JHC090
HOUR = 12 SIG.HGT. = 30.8 UPPER HGT. = 33.6
TOTAL DF =177 CORR. VAR. = 59.3 LOWER HGT. = 28.3
NOISE LEVEL = .0195 WIND SPEED = 0

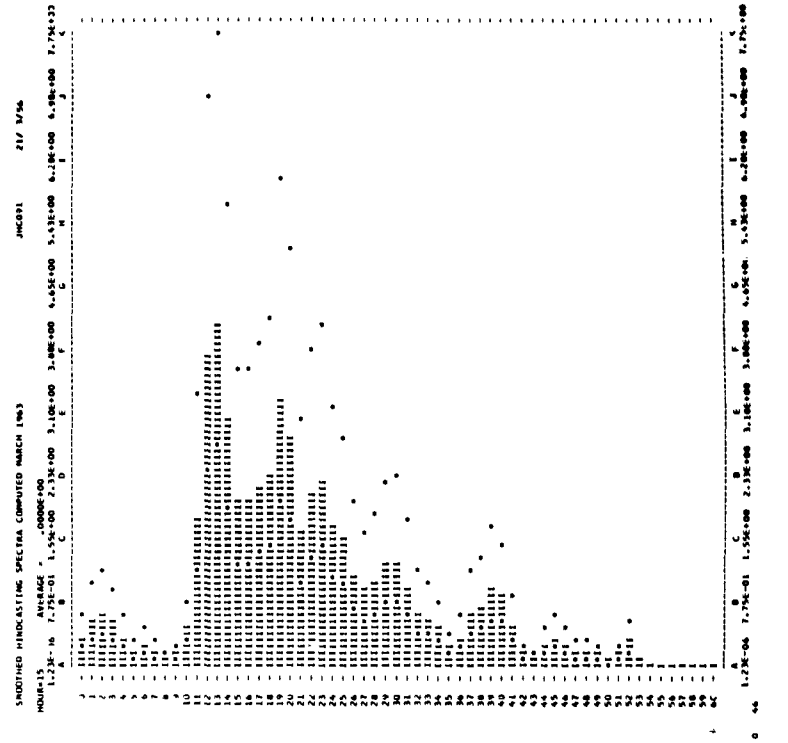
N	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.3355	.3355	.3160	.3160	.5826	.2012
1	.006	.5636	.5636	.5241	.5241	.9659	.3337
2	.011	.6975	.6975	.6780	.6780	1.2496	.4317
3	.017	.4561	.4561	.4366	.4366	.8046	.2780
4	.022	.3124	.3124	.2929	.2929	.5398	.1865
5	.028	.2856	.2856	.2661	.2661	.4904	.1694
6	.033	.1329	.1329	.1134	.1832	.3376	.1166
7	.039	.0647	.0647	.0452	.0621	.1144	.0395
8	.044	.0677	.0677	.0482	.0600	.1105	.0382
9	.050	.1835	.1835	.1640	.1970	.3539	.1223
10	.056	.9468	.9468	.9273	1.0170	1.9482	.6730
11	.061	3.4687	3.4687	3.4492	3.8946	7.1780	2.4798
12	.067	6.1068	6.1068	6.0873	6.9048	12.7265	4.3966
13	.072	5.9094	5.9094	5.8899	6.8010	12.5353	4.3305
14	.078	4.5938	4.5938	4.5743	5.4296	10.0076	3.4573
15	.083	3.3700	3.3700	3.3505	4.1224	7.5982	2.6249
16	.089	1.9541	1.9541	1.9346	2.4849	4.5801	1.5823
17	.094	1.5757	1.5757	1.5562	2.1014	3.8733	1.3381
18	.100	1.7294	1.7294	1.7099	2.4412	4.4996	1.5544
19	.106	1.5173	1.5173	1.4978	2.2756	4.1942	1.4489
20	.111	1.1796	1.1796	1.1601	1.8841	3.4726	1.1997
21	.117	1.0464	1.0464	1.0269	1.7913	3.3016	1.1406
22	.122	.8684	.8684	.8489	1.5982	2.9458	1.0177
23	.128	.9770	.9770	.9575	1.1981	2.0976	.7246
24	.133	.4577	.4577	.4382	.9746	1.7963	.6206
25	.139	.3705	.3705	.3510	.8946	1.5751	.5441
26	.144	.2973	.2973	.2778	.7434	1.3703	.4734
27	.150	.2908	.2908	.2713	.8008	1.4761	.5099
28	.156	.2673	.2673	.2478	.8108	1.4944	.5163
29	.161	.2269	.2269	.2074	.7551	1.3917	.4808
30	.167	.2067	.2067	.1872	.7620	1.4045	.4852
31	.172	.1575	.1575	.1380	.6299	1.1609	.4011
32	.178	.1054	.1054	.0859	.4421	.8149	.2815
33	.183	.0864	.0864	.0669	.3891	.7171	.2477
34	.189	.0742	.0742	.0547	.3619	.6671	.2302
35	.194	.0632	.0632	.0437	.3291	.6067	.2096
36	.200	.0469	.0469	.0274	.2362	.4354	.1504
37	.206	.0394	.0394	.0199	.1970	.3631	.1254
38	.211	.0378	.0378	.0183	.2090	.3853	.1331
39	.217	.0466	.0466	.0271	.3991	.6419	.2287
40	.222	.0536	.0491	.0296	.4568	.8419	.2908
41	.228	.0428	.0462	.0267	.4802	.8850	.3057
42	.233	.0694	.0678	.0283	.5976	1.1019	.3805
43	.239	.0574	.0509	.0309	.7671	1.4140	.4885
44	.244	.0413	.0408	.0213	.6248	1.1517	.3979
45	.250	.0233	.0281	.0086	.2980	.5493	.1898
46	.256	.0269	.0254	.0058	.2620	.4830	.1541
47	.261	.0293	.0289	.0094	.0094	.0173	.0060
48	.267	.0327	.0315	.0120	.0120	.0221	.0076
49	.272	.0315	.0309	.0113	.0113	.0209	.0072
50	.278	.0278	.0281	.0086	.0086	.0159	.0055
51	.283	.0295	.0283	.0068	.0068	.0126	.0043
52	.289	.0266	.0268	.0044	.0044	.0119	.0041
53	.294	.0252	.0233	.0038	.0038	.0070	.0024
54	.300	.0164	.0174	.0000	.0000	.0000	.0000
55	.306	.0117	.0148	.0000	.0000	.0000	.0000
56	.311	.0164	.0162	.0000	.0000	.0000	.0000
57	.317	.0204	.0196	.0000	.0000	.0000	.0000
58	.322	.0188	.0187	.0000	.0000	.0000	.0000
59	.328	.0169	.0174	.0000	.0000	.0000	.0000
60	.333	.0169	.0169	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 21/ 3/56 AV. T= 7.1 RECORD = JHC091
HOUR = 15 SIG.HGT. = 29.1 UPPER HGT. = 31.7
TOTAL OF =267 CORR. VAR. = 54.6 LOWER HGT. = 27.5
NOISE LEVEL = .0224 WIND SPEED = 0

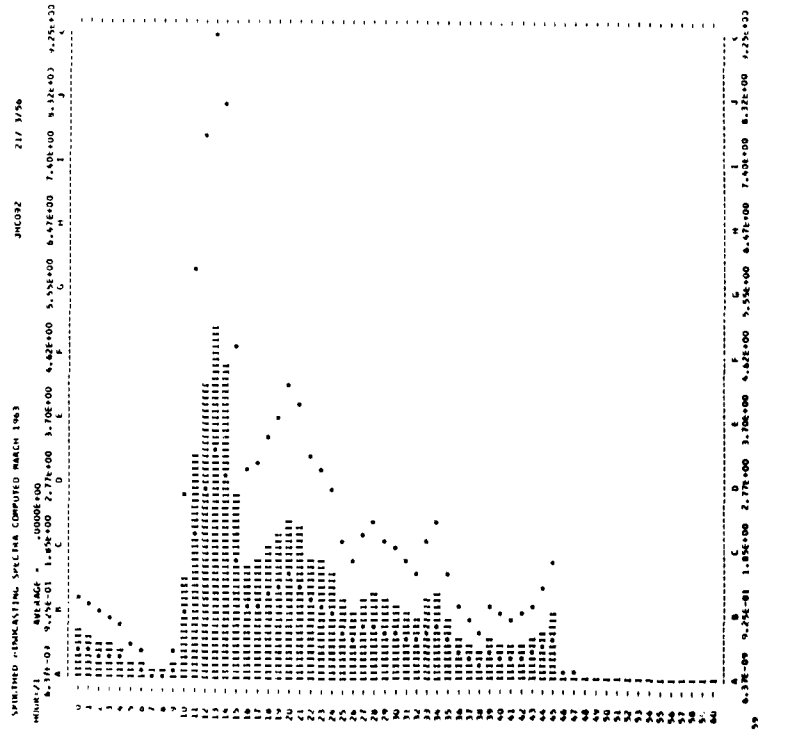
M	FRE.	UNIT*FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.3680	.3680	.3456	.3456	.4369	.2200
1	.006	.5496	.5496	.5272	.5272	.9717	.3357
2	.011	.6883	.6883	.6659	.6659	1.1904	.4113
3	.017	.9279	.9279	.9055	.9055	.9317	.3219
4	.022	.3407	.3407	.3183	.3183	.9866	.2027
5	.028	.2043	.2043	.1819	.1819	.3352	.1158
6	.033	.1702	.1702	.1478	.2388	.4401	.1520
7	.039	.1405	.1405	.1181	.1622	.2990	.1033
8	.044	.0991	.0991	.0767	.0955	.1760	.0608
9	.050	.1348	.1348	.1124	.1320	.2433	.0840
10	.056	.4092	.4092	.3868	.4409	.8126	.2807
11	.061	1.6342	1.6342	1.6118	1.8199	3.3543	1.1588
12	.067	3.3581	3.3581	3.3357	3.7837	6.9738	2.4092
13	.072	3.6653	3.6653	3.6429	4.2064	7.7531	2.6784
14	.078	2.5988	2.5988	2.5764	3.0582	5.6366	1.9473
15	.083	1.6453	1.6453	1.6229	1.9963	3.6758	1.2699
16	.089	1.5645	1.5645	1.5421	1.9808	3.6509	1.2613
17	.094	1.6190	1.6190	1.5966	2.1560	3.9739	1.3728
18	.100	1.6541	1.6541	1.6317	2.3295	4.2937	1.4833
19	.106	2.1415	2.1415	2.1191	3.2195	5.9340	2.0500
20	.111	1.7254	1.7254	1.7030	2.7658	5.0978	1.7611
21	.117	.9600	.9600	.9376	1.6355	3.0145	1.0414
22	.122	1.1499	1.1499	1.1275	2.1228	3.9127	1.3517
23	.128	1.1303	1.1303	1.1079	2.2617	4.1687	1.4401
24	.133	.8041	.8041	.7817	1.7387	3.2046	1.1071
25	.139	.6487	.6487	.6263	1.5249	2.8106	.9710
26	.144	.4384	.4384	.4160	1.1134	2.0521	.7089
27	.150	.3253	.3253	.3029	.8962	1.6681	.5696
28	.156	.3321	.3321	.3097	1.0134	1.8879	.6493
29	.161	.3567	.3567	.3343	1.2172	2.2435	.7751
30	.167	.3297	.3297	.3073	1.2510	2.3059	.7966
31	.172	.2324	.2324	.2100	.9586	1.7669	.6104
32	.178	.1446	.1446	.1222	.6291	1.1595	.4006
33	.183	.1173	.1173	.0949	.5521	1.0176	.3515
34	.189	.0885	.0885	.0661	.4370	.8056	.2783
35	.194	.0501	.0501	.0277	.2086	.3845	.1328
36	.200	.0594	.0594	.0370	.3192	.5884	.2033
37	.206	.0849	.0849	.0625	.6196	1.1419	.3945
38	.211	.0867	.0867	.0643	.7357	1.3560	.4684
39	.217	.0912	.0912	.0688	.9126	1.6820	.5811
40	.222	.0832	.0795	.0930	.8183	1.5082	.5210
41	.228	.0463	.0485	.0261	.4705	.8672	.2996
42	.233	.0224	.0281	.0057	.1198	.2208	.0763
43	.239	.0233	.0257	.0032	.0807	.1488	.0514
44	.244	.0337	.0311	.0087	.2546	.4693	.1621
45	.250	.0337	.0322	.0098	.3402	.6271	.2166
46	.256	.0277	.0287	.0063	.2611	.4813	.1663
47	.261	.0256	.0260	.0036	.1796	.3310	.1144
48	.267	.0249	.0252	.0028	.1690	.3096	.1069
49	.272	.0254	.0243	.0019	.1377	.2539	.0877
50	.278	.0217	.0231	.0007	.0606	.1117	.0386
51	.283	.0237	.0237	.0013	.1393	.2568	.0887
52	.289	.0249	.0246	.0022	.2819	.5199	.1795
53	.294	.0230	.0228	.0004	.0627	.1156	.0399
54	.300	.0194	.0196	.0000	.0000	.0000	.0000
55	.306	.0188	.0176	.0000	.0000	.0000	.0000
56	.311	.0173	.0172	.0000	.0000	.0000	.0000
57	.317	.0173	.0173	.0000	.0000	.0000	.0000
58	.322	.0172	.0199	.0000	.0000	.0000	.0000
59	.328	.0281	.0280	.0056	.0056	.0103	.0036
60	.333	.0387	.0334	.0110	.0110	.0202	.0070



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 21/ 3/56 AV. T= 7.9 RECORD = JHC092
HOUR = 21 SIG.HGT. = 36.2 UPPER HGT. = 32.5
TOTAL OF =255 CORR. VAR. = 57.1 LOWER HGT. = 28.1
NOISE LEVEL = .0168 WIND SPEED = 0

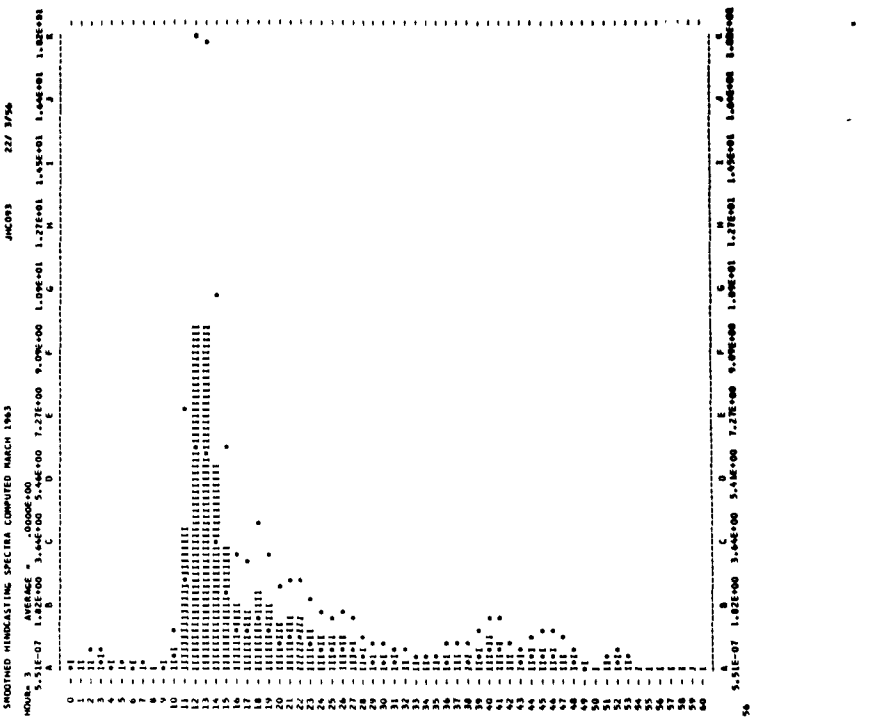
M	FRE.	UNIT*FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.6241	.6241	.6073	.6073	1.1194	.3867
1	.006	.5866	.5866	.5698	.5698	1.0503	.3628
2	.011	.5024	.5024	.4856	.4856	.8951	.3092
3	.017	.4884	.4884	.4716	.4716	.8693	.3003
4	.022	.4222	.4222	.4054	.4054	.7473	.2582
5	.028	.2468	.2468	.2300	.2300	.4240	.1465
6	.033	.1342	.1342	.1174	.1898	.3498	.1208
7	.039	.0625	.0625	.0457	.0967	.1159	.0400
8	.044	.0638	.0638	.0470	.0586	.1080	.0373
9	.050	.1685	.1685	.1517	.1782	.3285	.1135
10	.056	1.2419	1.2419	1.2251	1.1985	2.5740	.8892
11	.061	2.8305	2.8305	2.8137	3.1770	5.8557	2.0229
12	.067	3.7111	3.7111	3.6943	4.1905	7.7237	2.6683
13	.072	3.3629	3.3629	3.3461	3.8185	7.2498	2.1955
14	.078	3.7697	3.7697	3.7529	4.4567	8.2108	2.8365
15	.083	2.1026	2.1026	2.0858	2.5664	4.7303	1.6341
16	.089	1.2503	1.2503	1.2335	1.5845	2.9205	1.0089
17	.094	1.2437	1.2437	1.2269	1.6569	3.0539	1.0550
18	.100	1.3268	1.3268	1.3100	1.8704	3.4473	1.1909
19	.106	1.3336	1.3336	1.3168	2.0007	3.6876	1.2739
20	.111	1.4062	1.4062	1.3894	2.2566	4.1593	1.4369
21	.117	1.2133	1.2133	1.1965	2.0873	3.8471	1.3290
22	.122	.9218	.9218	.9050	1.7060	3.1408	1.0850
23	.128	.8120	.8120	.7952	1.6235	2.9923	1.0337
24	.133	.6805	.6805	.6637	1.4764	2.7212	.9401
25	.139	.4559	.4559	.4391	1.0693	1.9708	.6809
26	.144	.3455	.3455	.3287	.8749	1.6218	.5603
27	.150	.3923	.3923	.3755	1.1087	2.0436	.7060
28	.156	.3791	.3791	.3623	1.1958	2.1896	.7550
29	.161	.3094	.3094	.2926	1.0656	1.9641	.6785
30	.167	.2688	.2688	.2520	1.0262	1.8914	.6534
31	.172	.2154	.2154	.1986	.9069	1.6716	.5775
32	.178	.1736	.1736	.1568	.8076	1.4885	.5142
33	.183	.2008	.2008	.1840	1.0710	1.9740	.6819
34	.189	.1977	.1977	.1809	1.1967	2.2057	.7620
35	.194	.1245	.1245	.1077	.8122	1.4971	.5172
36	.200	.0835	.0835	.0667	.5763	1.0622	.3669
37	.206	.0808	.0808	.0440	.4368	.8051	.2781
38	.211	.0482	.0482	.0314	.3599	.6634	.2292
39	.217	.0573	.0573	.0405	.5380	.9917	.3426
40	.222	.0474	.0483	.0316	.4876	.8983	.3103
41	.228	.0403	.0418	.0251	.4520	.8331	.2878
42	.233	.0389	.0393	.0226	.4770	.8792	.3037
43	.239	.0393	.0395	.0228	.5656	1.0425	.3601
44	.244	.0406	.0426	.0236	.6034	1.2780	.4415
45	.250	.0410	.0426	.0259	.9006	1.6599	.5734
46	.256	.0479	.0462	.0294	.0294	.0543	.0188
47	.261	.0480	.0448	.0281	.0281	.0518	.0179
48	.267	.0355	.0388	.0201	.0201	.0370	.0128
49	.272	.0283	.0307	.0134	.0134	.0247	.0085
50	.278	.0306	.0240	.0122	.0122	.0225	.0078
51	.283	.0264	.0240	.0073	.0073	.0135	.0046
52	.289	.0178	.0150	.0000	.0000	.0000	.0000
53	.294	.0081	.0116	.0000	.0000	.0000	.0000
54	.300	.0184	.0158	.0000	.0000	.0000	.0000
55	.306	.0226	.0201	.0034	.0034	.0062	.0021
56	.311	.0200	.0190	.0022	.0022	.0041	.0014
57	.317	.0139	.0150	.0000	.0000	.0000	.0000
58	.322	.0123	.0138	.0000	.0000	.0000	.0000
59	.328	.0186	.0149	.0000	.0000	.0000	.0000
60	.333	.0181	.0174	.0037	.0007	.0013	.0004



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 22/ 3/56 AV. T= 8.3 RECORD = JHC093
HOUR = 3 SIG.HGT. = 31.2 UPPER HGT. = 34.5
TOTAL DF =129 CORR. VAR. = 60.7 LOWER HGT. = 28.2
NOISE LEVEL = .0122 WIND SPEED = 0

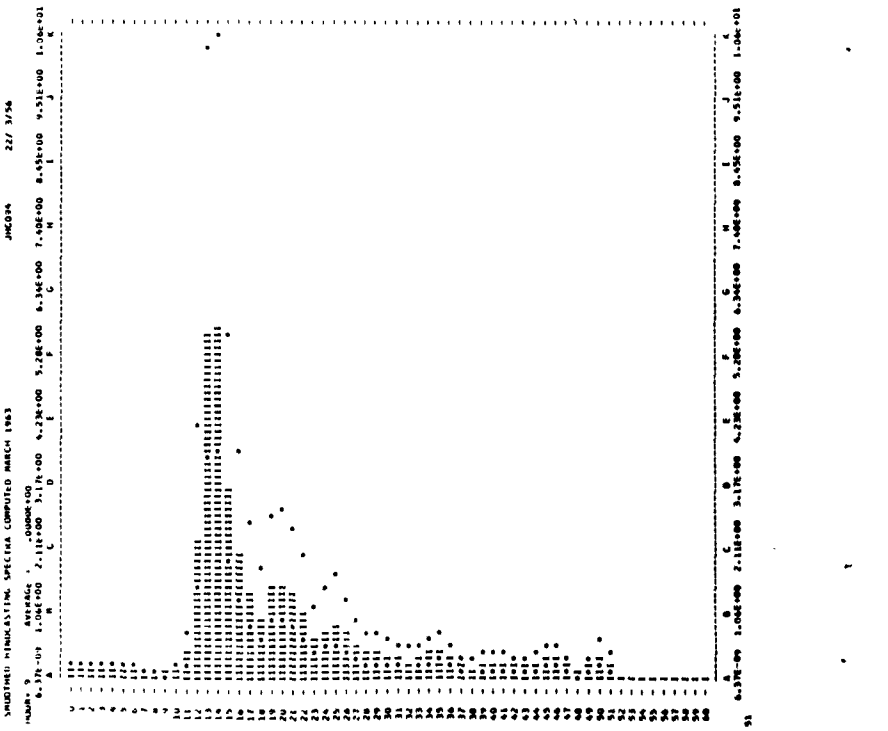
N	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1494	.1494	.1332	.2498	.0848
1	.006	.1979	.1979	.1667	.2686	.0928
2	.011	.2602	.2602	.2480	.4971	.1579
3	.017	.3011	.3011	.2889	.5323	.1860
4	.022	.1670	.1670	.1348	.2485	.0858
5	.028	.0761	.0761	.0619	.1141	.0396
6	.033	.0770	.0770	.0668	.1047	.0467
7	.039	.0756	.0756	.0632	.0860	.0501
8	.044	.0467	.0467	.0365	.0630	.0[illegible]
9	.050	.1233	.1233	.1111	.1805	.0831
10	.056	.5133	.5133	.5011	.5712	1.0929	.3637
11	.061	3.4355	3.4355	3.4233	4.0911	7.5605	2.6050
12	.067	8.7108	8.7108	8.6986	9.8668	18.1861	6.2826
13	.072	8.5084	8.5084	8.4962	9.8106	18.0824	6.2468
14	.078	4.8797	4.8797	4.8635	5.7730	10.6405	3.6759
15	.083	2.8025	2.8025	2.7903	3.4332	6.3279	2.1861
16	.089	1.3641	1.3641	1.3519	1.7365	3.2007	1.1057
17	.094	1.2190	1.2190	1.2068	1.6297	3.0038	1.0377
18	.100	1.5874	1.5874	1.5752	2.2489	4.1451	1.4320
19	.106	1.1911	1.1911	1.1789	1.7911	3.3013	1.1405
20	.111	.7938	.7938	.7816	1.2694	2.3397	.8083
21	.117	.7989	.7989	.7867	1.3724	2.5295	.8738
22	.122	.7508	.7508	.7386	1.3907	2.5632	.8855
23	.128	.5431	.5431	.5309	1.0839	1.9977	.6901
24	.133	.4117	.4117	.3995	.8887	1.6378	.5658
25	.139	.3531	.3531	.3409	.8301	1.5300	.5286
26	.144	.3301	.3301	.3179	.8509	1.5684	.5418
27	.150	.2791	.2791	.2669	.7762	1.4307	.4942
28	.156	.1761	.1761	.1639	.5364	.9881	.3416
29	.161	.1129	.1129	.1007	.3668	.6760	.2335
30	.167	.0994	.0994	.0872	.3551	.6545	.2261
31	.172	.0827	.0827	.0705	.3220	.5934	.2050
32	.178	.0625	.0625	.0503	.2591	.4776	.1650
33	.183	.0533	.0533	.0411	.2393	.4410	.1524
34	.189	.0433	.0433	.0311	.2058	.3793	.1311
35	.194	.0412	.0412	.0290	.2188	.4032	.1393
36	.200	.0559	.0559	.0437	.1775	.4957	.2406
37	.206	.0566	.0566	.0444	.4405	.8119	.2805
38	.211	.0451	.0451	.0329	.3768	.6945	.2399
39	.217	.0540	.0540	.0418	.5549	1.0228	.3533
40	.222	.0767	.0663	.0541	.8364	1.5378	.5313
41	.228	.0577	.0546	.0423	.7613	1.4031	.4847
42	.233	.0257	.0331	.0209	.4416	.8139	.2812
43	.239	.0233	.0253	.0131	.3265	.6017	.2079
44	.244	.0290	.0282	.0160	.4695	.8653	.2989
45	.250	.0314	.0293	.0172	.5977	1.1016	.3805
46	.256	.0256	.0256	.0134	.5562	1.0252	.3542
47	.261	.0198	.0212	.0090	.4481	.8260	.2854
48	.267	.0197	.0179	.0057	.3586	.6261	.2156
49	.272	.0123	.0136	.0014	.0998	.1840	.0636
50	.278	.0100	.0119	.0000	.0000	.0000	.0000
51	.283	.0155	.0140	.0018	.1940	.3576	.1235
52	.289	.0151	.0148	.0026	.3357	.6187	.2137
53	.294	.0135	.0137	.0015	.2622	.4464	.1542
54	.300	.0128	.0121	.0000	.0000	.0000	.0000
55	.306	.0095	.0103	.0000	.0000	.0000	.0000
56	.311	.0093	.0096	.0000	.0000	.0000	.0000
57	.317	.0105	.0103	.0000	.0000	.0000	.0000
58	.322	.0108	.0112	.0000	.0000	.0000	.0000
59	.328	.0126	.0125	.0003	.0003	.0005	.0002
60	.333	.0139	.0132	.0011	.0011	.0020	.0007



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 22/ 3/56 AV. T= 8.2 RECORD = JHC094
HOUR = 9 SIG.HGT. = 24.5 UPPER HGT. = 27.0
TOTAL DF =144 CORR. VAR. = 37.6 LOWER HGT. = 22.3
NOISE LEVEL = .0089 WIND SPEED = 0

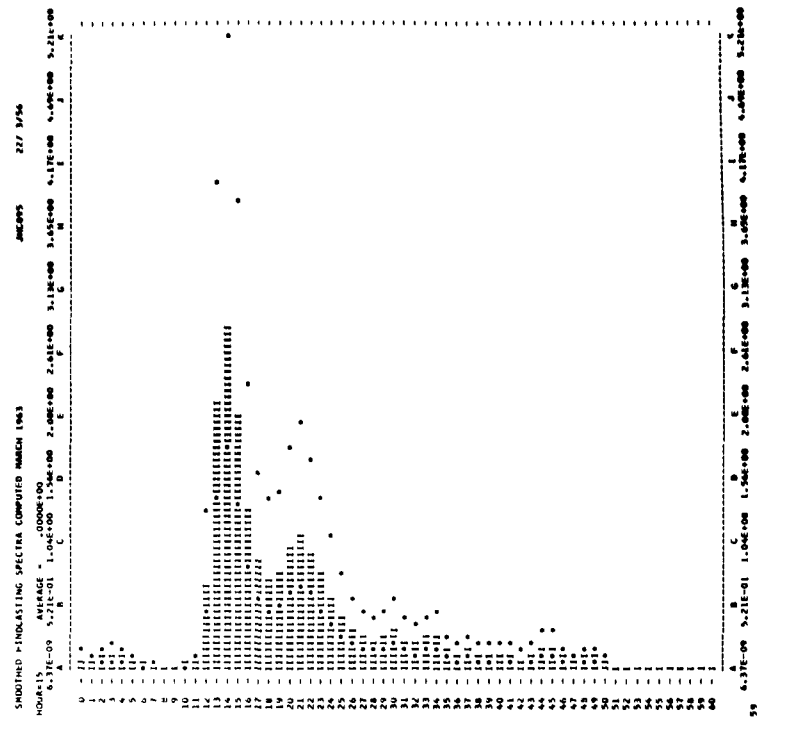
N	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1203	.1203	.1114	.1114	.2053	.0709
1	.006	.1401	.1401	.1312	.1312	.2418	.0835
2	.011	.1496	.1496	.1405	.1405	.2590	.0895
3	.017	.1367	.1367	.1258	.1258	.2319	.0801
4	.022	.1408	.1408	.1319	.1319	.2431	.0840
5	.028	.1312	.1312	.1223	.1223	.2254	.0779
6	.033	.0877	.0877	.0788	.1273	.2347	.0811
7	.039	.0329	.0329	.0240	.0330	.0608	.0210
8	.044	.0453	.0453	.0364	.0453	.0836	.0289
9	.050	.0565	.0565	.0476	.0559	.1031	.0356
10	.056	.1007	.1007	.0918	.1046	.1929	.0[illegible]6
11	.061	.3575	.3575	.3486	.3936	.7255	.2506
12	.067	1.9932	1.9932	1.9843	2.2508	4.1486	1.4332
13	.072	4.8849	4.8849	4.8760	5.6303	10.3775	3.5851
14	.078	4.8376	4.8376	4.8287	5.7317	10.5643	3.6496
15	.083	2.4993	2.4993	2.4904	3.0642	5.6478	1.9511
16	.089	1.5762	1.5762	1.5673	2.0132	3.7106	1.2819
17	.094	1.0171	1.0171	1.0082	1.3615	2.5096	.8669
18	.100	.7014	.7014	.6925	.9887	1.8223	.6295
19	.106	.9493	.9493	.9404	1.4591	2.6894	.9291
20	.111	.9207	.9207	.9118	1.4809	2.7296	.9429
21	.117	.7668	.7668	.7579	1.3221	2.4363	.8418
22	.122	.5731	.5731	.5642	1.0623	1.9579	.6764
23	.128	.3813	.3813	.3724	.6582	1.2131	.4191
24	.133	.3626	.3626	.3537	.7887	1.4501	.5010
25	.139	.3767	.3767	.3678	.8907	1.6417	.5671
26	.144	.2712	.2712	.2623	.7021	1.2940	.4470
27	.150	.1924	.1924	.1835	.5418	.9985	.3450
28	.156	.1781	.1781	.1692	.5901	.7190	.2484
29	.161	.1146	.1146	.1057	.3849	.7095	.2451
30	.167	.0957	.0957	.0868	.3534	.6514	.2250
31	.172	.0739	.0739	.0650	.2968	.5470	.1890
32	.178	.0600	.0600	.0511	.2631	.4850	.1676
33	.183	.0544	.0544	.0455	.2648	.4881	.1686
34	.189	.0469	.0469	.0380	.1704	.6827	.2358
35	.194	.0642	.0642	.0553	.4169	.7684	.2655
36	.200	.0478	.0478	.0367	.2996	.5523	.1908
37	.206	.0265	.0265	.0176	.1746	.3218	.1112
38	.211	.0223	.0223	.0134	.1914	.2828	.0977
39	.217	.0249	.0249	.0160	.2124	.3914	.1352
40	.222	.0255	.0232	.0143	.2206	.4067	.1405
41	.228	.0209	.0209	.0120	.2167	.3995	.1380
42	.233	.0184	.0181	.0092	.1948	.3591	.1241
43	.239	.0168	.0159	.0070	.1734	.3195	.1104
44	.244	.0159	.0158	.0067	.2034	.3749	.1295
45	.250	.0179	.0168	.0079	.2752	.5072	.1752
46	.256	.0167	.0159	.0070	.2903	.5352	.1849
47	.261	.0127	.0126	.0038	.1860	.3429	.1185
48	.267	.0085	.0102	.0013	.0791	.1457	.0504
49	.272	.0117	.0117	.0029	.1849	.3040	.1050
50	.278	.0139	.0126	.0017	.3187	.5874	.2029
51	.283	.0113	.0108	.0020	.2096	.3788	.1309
52	.289	.0069	.0075	.0000	.0000	.0000	.0000
53	.294	.0050	.0059	.0000	.0000	.0000	.0000
54	.300	.0066	.0084	.0000	.0000	.0000	.0000
55	.306	.0076	.0077	.0000	.0000	.0000	.0000
56	.311	.0092	.0100	.0011	.0011	.0021	.0007
57	.317	.0141	.0127	.0038	.0038	.0070	.0024
58	.322	.0133	.0121	.0033	.0033	.0060	.0021
59	.328	.0079	.0087	.0000	.0000	.0000	.0000
60	.333	.0059	.0069	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 22/ 3/96 AV. T= 8.2 RECORD = JHC095
HOUR = 15 SIG.HGT. = 18.3 UPPER HGT. = 20.0
TOTAL OF =167 CORR. VAR. = 21.0 LOWER HGT. = 16.8
NOISE LEVEL = .0057 WIND SPEED = 0

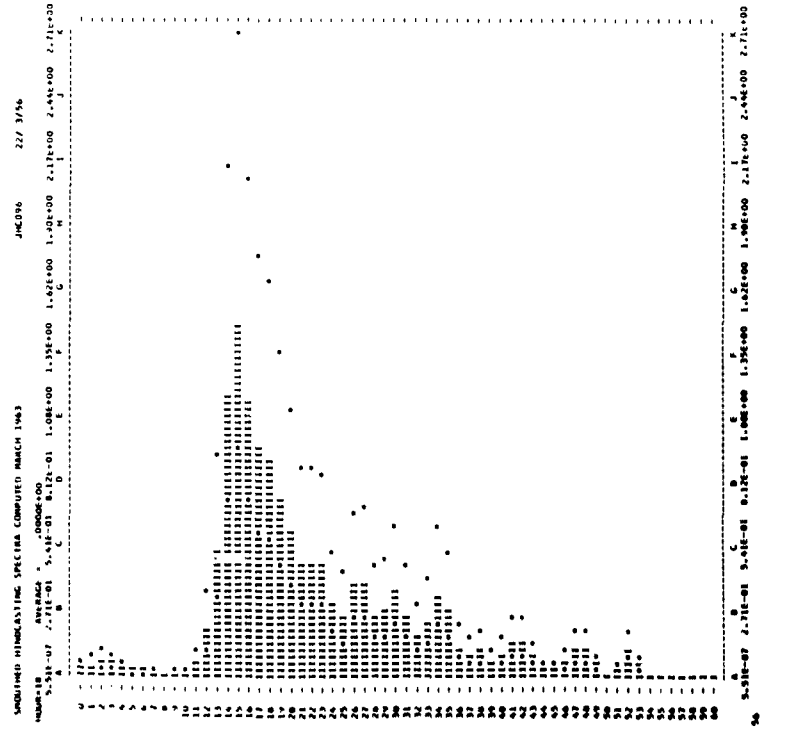
M	FRE.	UNIT-FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0779	.0779	.0718	.0718	.1324	.0457
1	.006	.0714	.0714	.0657	.0657	.1212	.0419
2	.011	.0982	.0922	.0865	.0865	.1595	.0551
3	.017	.1283	.1283	.1176	.1176	.2168	.0749
4	.022	.0982	.0982	.0925	.0925	.1706	.0589
5	.028	.0917	.0917	.0460	.0460	.0849	.0293
6	.033	.0309	.0309	.0252	.0408	.0752	.0260
7	.039	.0144	.0144	.0107	.0148	.0272	.0094
8	.044	.0134	.0134	.0077	.0096	.0178	.0061
9	.050	.0078	.0078	.0018	.0022	.0040	.0014
10	.056	.0301	.0301	.0244	.0279	.0513	.0177
11	.061	.0473	.0473	.0616	.0496	.1283	.0443
12	.067	.4234	.4234	.6177	.7007	1.2918	.4462
13	.072	1.9034	1.9034	1.8977	2.1913	4.0389	1.3993
14	.078	2.3079	2.3079	2.3822	2.8277	5.2119	1.8005
15	.083	1.7096	1.7096	1.6999	2.0918	3.8591	1.3311
16	.089	1.0091	1.0091	.9994	1.2038	2.3662	.8176
17	.094	.6922	.6922	.6648	.8731	1.6092	.5559
18	.100	.5320	.5320	.5263	.7519	1.3850	.4785
19	.106	.5286	.5286	.5229	.7945	1.4644	.5059
20	.111	.6135	.6135	.6078	.9872	1.8195	.6286
21	.117	.6307	.6307	.6250	1.0903	2.0096	.6942
22	.122	.5073	.5073	.5016	.9448	1.7408	.6014
23	.128	.3744	.3707	.3707	.7984	1.3980	.4819
24	.133	.2699	.2699	.2642	.5877	1.0833	.3742
25	.139	.1807	.1807	.1790	.4262	.7859	.2714
26	.144	.1234	.1234	.1167	.3126	.5798	.1988
27	.150	.0934	.0934	.0877	.2390	.4776	.1649
28	.156	.0767	.0767	.0710	.2325	.4288	.1480
29	.161	.0783	.0783	.0726	.2045	.4879	.1684
30	.167	.0802	.0802	.0745	.3035	.5593	.1932
31	.172	.0965	.0965	.0908	.2321	.4278	.1478
32	.178	.0428	.0428	.0371	.1912	.3524	.1218
33	.183	.0464	.0464	.0407	.2371	.4369	.1509
34	.189	.0431	.0431	.0374	.2476	.4564	.1577
35	.194	.0256	.0256	.0199	.1503	.2770	.0957
36	.200	.0179	.0179	.0122	.1057	.1947	.0673
37	.206	.0196	.0196	.0139	.1382	.2548	.0880
38	.211	.0158	.0158	.0101	.1160	.2139	.0739
39	.217	.0134	.0134	.0077	.1027	.1892	.0654
40	.222	.0147	.0138	.0081	.1251	.2306	.0797
41	.228	.0123	.0118	.0061	.1105	.2037	.0704
42	.233	.0079	.0093	.0036	.0768	.1415	.0489
43	.239	.0091	.0097	.0040	.1003	.1848	.0639
44	.244	.0127	.0113	.0057	.1669	.3077	.1063
45	.250	.0109	.0103	.0047	.1632	.3007	.1039
46	.256	.0069	.0078	.0022	.0907	.1671	.0577
47	.261	.0067	.0070	.0013	.0650	.1199	.0414
48	.267	.0076	.0073	.0016	.0974	.1794	.0620
49	.272	.0073	.0070	.0013	.0957	.1764	.0609
50	.278	.0058	.0062	.0005	.0685	.0858	.0296
51	.283	.0059	.0060	.0004	.0004	.0007	.0002
52	.289	.0065	.0065	.0008	.0008	.0015	.0005
53	.294	.0071	.0073	.0017	.0017	.0031	.0011
54	.300	.0086	.0081	.0024	.0024	.0044	.0015
55	.306	.0080	.0078	.0022	.0022	.0040	.0014
56	.311	.0067	.0067	.0011	.0011	.0020	.0007
57	.317	.0056	.0056	.0000	.0000	.0000	.0000
58	.322	.0039	.0039	.0000	.0000	.0000	.0000
59	.328	.0026	.0026	.0000	.0000	.0000	.0000
60	.333	.0018	.0021	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 22/ 3/96 AV. T= 7.5 RECORD = JHC096
HOUR = 18 SIG.HGT. = 15.0 UPPER HGT. = 16.2
TOTAL OF =208 CORR. VAR. = 14.1 LOWER HGT. = 13.8
NOISE LEVEL = .0032 WIND SPEED = 0

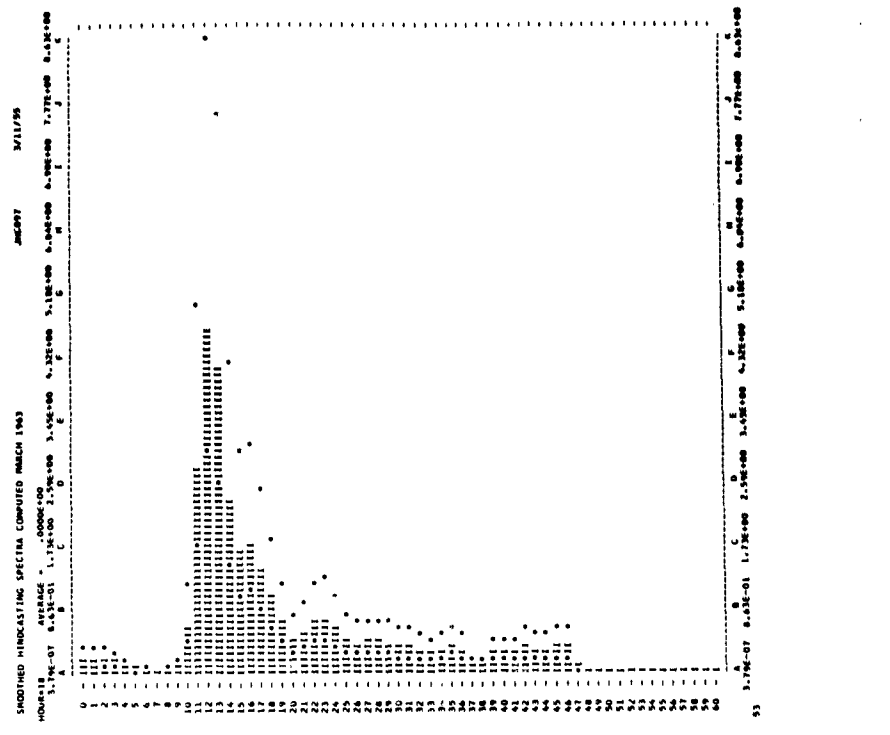
M	FRE.	UNIT-FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0287	.0287	.0255	.0255	.0469	.0162
1	.006	.0429	.0429	.0397	.0397	.0731	.0253
2	.011	.0579	.0579	.0547	.1007	.1848	.0348
3	.017	.0469	.0469	.0437	.0437	.0805	.0278
4	.022	.0298	.0298	.0266	.0266	.0490	.0169
5	.028	.0207	.0207	.0175	.0175	.0322	.0111
6	.033	.0155	.0155	.0123	.0198	.0365	.0126
7	.039	.0117	.0117	.0085	.0116	.0214	.0074
8	.044	.0078	.0078	.0046	.0057	.0105	.0036
9	.050	.0097	.0097	.0065	.0076	.0140	.0048
10	.056	.0124	.0124	.0092	.0104	.0192	.0066
11	.061	.0600	.0600	.0568	.0641	.1181	.0408
12	.067	.1692	.1692	.1660	.1882	.3470	.1199
13	.072	.4406	.4406	.4374	.5050	.9308	.3216
14	.078	.9817	.9817	.9785	1.1614	2.1407	.7395
15	.083	1.1970	1.1970	1.1938	1.4688	2.7072	.9352
16	.089	.8883	.8883	.8851	1.1369	2.0954	.7239
17	.094	.7114	.7114	.7082	.9563	1.7626	.6089
18	.100	.6324	.6324	.6292	.8983	1.6556	.5720
19	.106	.4896	.4896	.4862	.7196	1.3614	.4703
20	.111	.3744	.3744	.3712	.6028	1.1111	.3838
21	.117	.2703	.2703	.2671	.4459	.8586	.2966
22	.122	.2510	.2510	.2478	.4665	.8598	.2970
23	.128	.2261	.2261	.2209	.4509	.8310	.2871
24	.133	.1320	.1320	.1288	.2864	.5279	.1824
25	.139	.0989	.0989	.0957	.2329	.4293	.1483
26	.144	.1427	.1427	.1395	.3733	.6880	.2377
27	.150	.1350	.1350	.1318	.3890	.7170	.2477
28	.156	.0792	.0792	.0760	.2486	.4582	.1583
29	.161	.0765	.0765	.0733	.2668	.4917	.1699
30	.167	.0868	.0868	.0836	.3402	.6271	.2166
31	.172	.0592	.0592	.0560	.2355	.4709	.1627
32	.178	.0348	.0348	.0314	.1615	.2976	.1028
33	.183	.0418	.0418	.0386	.2244	.4136	.1429
34	.189	.0535	.0535	.0503	.3324	.6127	.2117
35	.194	.0394	.0394	.0362	.2726	.5024	.1736
36	.200	.0187	.0187	.0155	.1182	.2142	.0740
37	.206	.0116	.0116	.0084	.0829	.1528	.0528
38	.211	.0119	.0119	.0087	.0991	.1827	.0631
39	.217	.0081	.0081	.0049	.0665	.1189	.0411
40	.222	.0079	.0088	.0056	.0858	.1581	.0546
41	.228	.0113	.0102	.0069	.1249	.2302	.0795
42	.233	.0102	.0092	.0060	.1269	.2338	.0808
43	.239	.0053	.0081	.0029	.0723	.1332	.0460
44	.244	.0038	.0061	.0010	.0304	.0560	.0193
45	.250	.0042	.0042	.0010	.0334	.0616	.0213
46	.256	.0046	.0047	.0015	.0626	.1154	.0399
47	.261	.0046	.0052	.0020	.0971	.1790	.0618
48	.267	.0050	.0048	.0016	.0957	.1764	.0610
49	.272	.0038	.0038	.0006	.0419	.0771	.0267
50	.278	.0027	.0031	.0000	.0000	.0000	.0000
51	.283	.0032	.0034	.0002	.0221	.0407	.0141
52	.289	.0047	.0041	.0008	.1070	.1972	.0681
53	.294	.0037	.0035	.0003	.0447	.0824	.0284
54	.300	.0020	.0029	.0000	.0000	.0000	.0000
55	.306	.0024	.0024	.0000	.0000	.0000	.0000
56	.311	.0028	.0029	.0000	.0000	.0000	.0000
57	.317	.0022	.0023	.0000	.0000	.0000	.0000
58	.322	.0022	.0027	.0000	.0000	.0000	.0000
59	.328	.0041	.0040	.0008	.0008	.0014	.0005
60	.333	.0096	.0049	.0018	.0018	.0030	.0010



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 3/11/55 AV. T= 8.6 RECORD = JMC097
HOUR = 18 SIG.HGT. = 22.3 UPPER HGT. = 24.5
TOTAL DF =150 CORR. VAR. = 31.2 LOWER HGT. = 20.5
NOISE LEVEL = .0179 WIND SPEED = 30

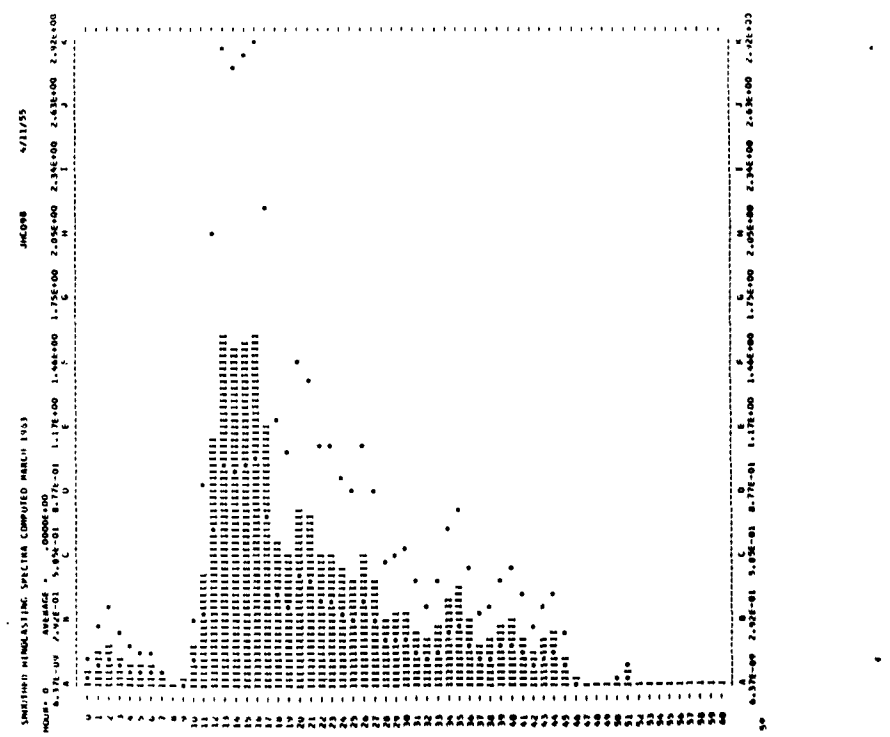
N	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.2272	.2272	.2093	.2093	.3857	.1332
1	.006	.2263	.2263	.2084	.2084	.3840	.1327
2	.011	.2058	.2058	.1879	.1879	.3463	.1196
3	.017	.1708	.1708	.1529	.1529	.2818	.0973
4	.022	.1251	.1251	.1072	.1072	.1975	.0682
5	.028	.0661	.0661	.0462	.0462	.0851	.0294
6	.033	.0501	.0301	.0212	.0262	.0630	.0218
7	.039	.0383	.0303	.0124	.0170	.0313	.0108
8	.044	.0485	.0485	.0306	.0301	.0701	.0242
9	.050	.0799	.0799	.0614	.0723	.1333	.0460
10	.056	.1791	.1791	.1612	.0397	1.1790	.4073
11	.061	2.4374	2.4374	2.4195	2.7319	9.0391	1.7398
12	.067	4.1462	4.1462	4.1283	4.4827	8.6309	2.9817
13	.072	3.9759	3.9759	3.9580	4.1084	7.5724	2.6160
14	.078	1.9581	1.9581	1.9402	2.3030	5.2447	1.4464
15	.083	1.3609	1.3609	1.3430	1.6824	3.0456	1.0521
16	.089	1.3466	1.3466	1.3287	1.7067	3.1496	1.0867
17	.094	1.0129	1.0129	.9950	1.3436	2.4768	.8598
18	.100	.7193	.7193	.7014	1.0013	1.8486	.6376
19	.106	.4822	.4822	.4643	.6998	1.2161	.4201
20	.111	.2673	.2673	.2494	.4050	.7468	.2578
21	.117	.2090	.2090	.2911	.5077	.9358	.3233
22	.122	.3692	.3692	.3513	.6614	1.2190	.4211
23	.128	.3722	.3722	.3543	.7232	1.3330	.4605
24	.133	.2789	.2789	.2610	.5805	1.0699	.3696
25	.139	.1816	.1816	.1637	.3985	.7349	.2537
26	.144	.1549	.1549	.1370	.3666	.6757	.2334
27	.150	.1495	.1495	.1316	.3884	.7159	.2473
28	.156	.1387	.1387	.1208	.3852	.7284	.2516
29	.161	.1190	.1190	.0971	.3838	.6815	.2281
30	.167	.0965	.0965	.0766	.3117	.5746	.1985
31	.172	.0914	.0914	.0715	.3354	.6182	.2136
32	.178	.0734	.0734	.0555	.2856	.5264	.1818
33	.183	.0563	.0563	.0384	.2232	.4115	.1421
34	.189	.0597	.0597	.0418	.2762	.5091	.1759
35	.194	.0629	.0629	.0450	.3390	.6248	.2158
36	.200	.0478	.0478	.0299	.2578	.4753	.1644
37	.206	.0271	.0271	.0092	.0909	.1675	.0579
38	.211	.0252	.0252	.0073	.0832	.1533	.0529
39	.217	.0342	.0342	.0163	.2158	.3978	.1374
40	.222	.0327	.0323	.0144	.2220	.4091	.1413
41	.228	.0297	.0317	.0138	.2479	.4569	.1578
42	.233	.0347	.0326	.0145	.3051	.5628	.1944
43	.239	.0305	.0299	.0120	.2978	.5489	.1896
44	.244	.0260	.0268	.0089	.2609	.4810	.1662
45	.250	.0288	.0275	.0096	.3329	.6137	.2120
46	.256	.0284	.0261	.0082	.3386	.6238	.2155
47	.261	.0188	.0193	.0013	.0644	.1224	.0423
48	.267	.0111	.0125	.0000	.0000	.0000	.0000
49	.272	.0090	.0100	.0000	.0000	.0000	.0000
50	.278	.0108	.0115	.0000	.0000	.0000	.0000
51	.283	.0153	.0148	.0000	.0000	.0000	.0000
52	.289	.0179	.0162	.0000	.0000	.0000	.0000
53	.294	.0136	.0146	.0000	.0000	.0000	.0000
54	.300	.0134	.0149	.0000	.0002	.0000	.0000
55	.306	.0194	.0179	.0000	.0000	.0000	.0000
56	.311	.0195	.0192	.0013	.0013	.0023	.0008
57	.317	.0184	.0187	.0008	.0008	.0014	.0005
58	.322	.0185	.0191	.0012	.0012	.0021	.0007
59	.328	.0210	.0212	.0033	.0033	.0060	.0021
60	.333	.0243	.0226	.0047	.0047	.0087	.0030



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 6/11/55 AV. T= 7.8 RECORD = JMC098
HOUR = 0 SIG.HGT. = 18.2 UPPER HGT. = 19.6
TOTAL DF =240 CORR. VAR. = 20.6 LOWER HGT. = 16.9
NOISE LEVEL = .0097 WIND SPEED = 0

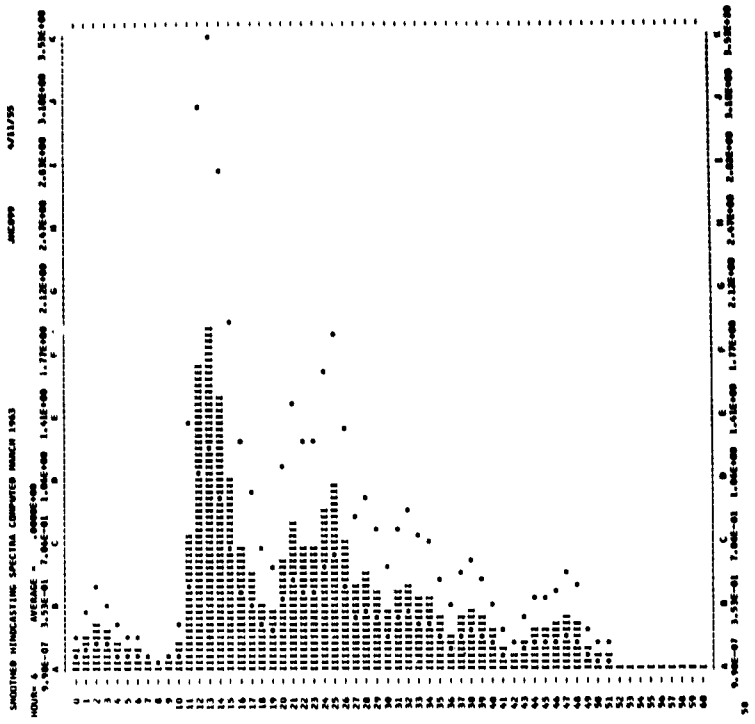
N	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0711	.0711	.0614	.0614	.1131	.0391
1	.006	.1480	.1480	.1383	.1383	.2549	.0881
2	.011	.1984	.1984	.1887	.1887	.3478	.1201
3	.017	.1366	.1366	.1269	.1269	.2339	.0808
4	.022	.0989	.0989	.0892	.0892	.1644	.0568
5	.028	.0864	.0864	.0767	.0767	.1413	.0488
6	.033	.0559	.0559	.0462	.0746	.1375	.0475
7	.039	.0308	.0308	.0211	.0290	.0534	.0184
8	.044	.0077	.0077	.0000	.0000	.0000	.0000
9	.050	.0239	.0239	.0142	.0167	.0307	.0106
10	.056	.1596	.1596	.1499	.1683	.3065	.1059
11	.061	.4448	.4448	.4351	.4913	.9055	.3128
12	.067	.9905	.9905	.9808	1.1125	2.0505	.7084
13	.072	1.3662	1.3662	1.3565	1.5663	2.8870	.9973
14	.078	1.2936	1.2936	1.2839	1.5260	2.8089	.9704
15	.083	1.2721	1.2721	1.2624	1.5532	2.8629	.9890
16	.089	1.2490	1.2490	1.2393	1.5867	2.9246	1.0103
17	.094	.8775	.8775	.8678	1.1719	2.1599	.7462
18	.100	.4610	.4610	.4513	.6443	1.1873	.4103
19	.106	.3873	.3873	.3776	.5737	1.0576	.3653
20	.111	.4935	.4935	.4838	.7857	1.4482	.5003
21	.117	.4374	.4374	.4277	.7461	1.3751	.4750
22	.122	.3229	.3229	.3132	.5847	1.0864	.3755
23	.128	.2968	.2968	.2771	.5961	1.0802	.3732
24	.133	.2413	.2413	.2316	.5151	.9494	.3280
25	.139	.2049	.2049	.1952	.4753	.8760	.3026
26	.144	.2302	.2302	.2205	.5901	1.0877	.3758
27	.150	.1729	.1729	.1632	.4818	.8880	.3068
28	.156	.1031	.1031	.0934	.3056	.5633	.1946
29	.161	.0985	.0985	.0888	.3233	.5959	.2059
30	.167	.0905	.0905	.0808	.3289	.6062	.2094
31	.172	.0860	.0860	.0763	.3478	.6411	.2215
32	.178	.0674	.0674	.0577	.3194	.5577	.1836
33	.183	.0525	.0525	.0428	.2990	.5589	.1585
34	.189	.0682	.0682	.0585	.3868	.7130	.2463
35	.194	.0674	.0674	.0577	.4369	.8015	.2764
36	.200	.0619	.0619	.0522	.2778	.5122	.1770
37	.206	.0277	.0277	.0180	.1784	.3288	.1136
38	.211	.0269	.0269	.0172	.1967	.3626	.1253
39	.217	.0289	.0289	.0192	.2546	.4693	.1621
40	.222	.0320	.0286	.0189	.2890	.5327	.1840
41	.228	.0209	.0216	.0119	.2150	.3963	.1369
42	.233	.0128	.0164	.0067	.1417	.2612	.0902
43	.239	.0182	.0176	.0079	.1965	.3622	.1251
44	.244	.0193	.0174	.0077	.2264	.4172	.1441
45	.250	.0119	.0132	.0035	.1205	.2221	.0767
46	.256	.0096	.0101	.0004	.0171	.0315	.0109
47	.261	.0094	.0089	.0000	.0000	.0000	.0000
48	.267	.0071	.0078	.0000	.0000	.0000	.0000
49	.272	.0075	.0082	.0000	.0000	.0000	.0000
50	.278	.0106	.0099	.0002	.0141	.0259	.0090
51	.283	.0108	.0102	.0005	.0513	.0945	.0326
52	.289	.0086	.0096	.0000	.0000	.0000	.0000
53	.294	.0104	.0104	.0007	.0007	.0014	.0005
54	.300	.0124	.0115	.0018	.0018	.0034	.0012
55	.306	.0110	.0109	.0012	.0012	.0023	.0008
56	.311	.0094	.0092	.0000	.0000	.0000	.0000
57	.317	.0071	.0073	.0000	.0000	.0000	.0000
58	.322	.0057	.0070	.0000	.0000	.0000	.0000
59	.328	.0095	.0095	.0000	.0000	.0000	.0000
60	.333	.0132	.0113	.0016	.0016	.0030	.0010



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 4/11/55 AV. T= T.2 RECORD = JMC099
HOUR = 6 SIG.HGT. = 10.9 UPPER HGT. = 20.2
TOTAL OF =369 CORR. VAR. = 22.1 LOWER HGT. = 17.6
NOISE LEVEL = .0068 WIND SPEED = 0

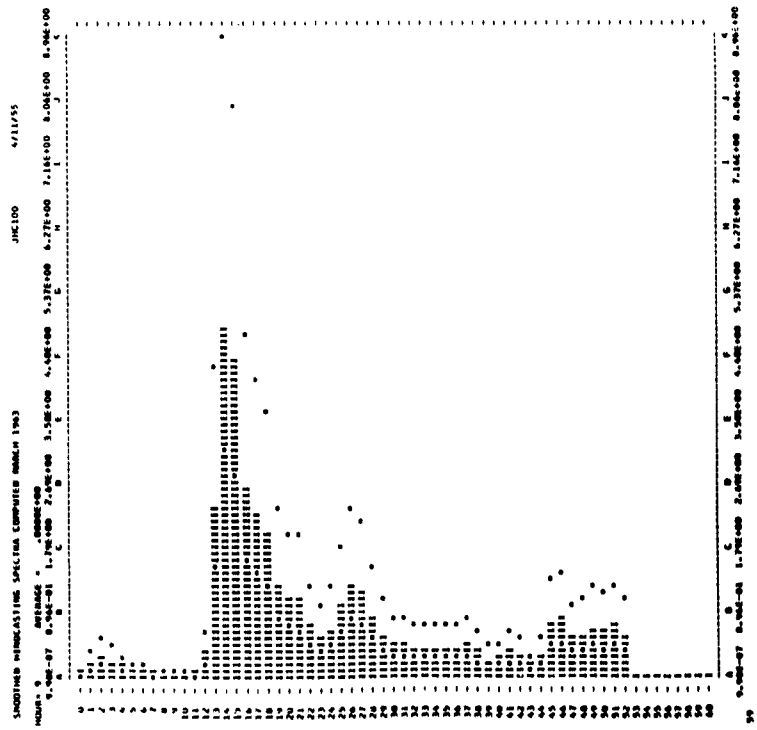
N	FRQ.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0987	.0987	.0889	.0889	.1638	.0864
1	.006	.1787	.1787	.1639	.1639	.3020	.1843
2	.011	.2823	.2823	.2655	.2655	.4924	.1963
3	.017	.2861	.2861	.1973	.1973	.3636	.1284
4	.022	.1383	.1383	.1263	.1263	.2331	.0859
5	.028	.1066	.1066	.0998	.0998	.1836	.0638
6	.033	.0698	.0698	.0630	.1017	.1875	.0648
7	.039	.0368	.0368	.0292	.0401	.0738	.0280
8	.044	.0168	.0168	.0088	.0099	.0183	.0063
9	.050	.0346	.0346	.0278	.0326	.0601	.0206
10	.056	.1168	.1168	.1108	.1283	.2318	.0798
11	.061	.6640	.6640	.6572	.7420	1.3676	.4728
12	.067	1.5137	1.5137	1.5103	1.7131	3.1578	1.0908
13	.072	1.6668	1.6668	1.6597	1.9164	3.5322	1.2203
14	.078	1.2864	1.2864	1.2796	1.5188	2.7984	.9671
15	.083	.8786	.8786	.8698	1.0826	1.9968	.6767
16	.089	.5367	.5367	.5298	.6806	1.2544	.4334
17	.094	.4813	.4813	.3965	.5527	.9818	.3392
18	.100	.2816	.2816	.2848	.3637	.6704	.2316
19	.106	.2137	.2137	.2060	.3143	.5793	.2001
20	.111	.3892	.3892	.3782	.6152	1.1320	.3911
21	.117	.4637	.4637	.4569	.7969	1.4689	.5076
22	.122	.3781	.3781	.3633	.6839	1.2606	.4355
23	.128	.3418	.3418	.3350	.6838	1.2604	.4354
24	.133	.4103	.4103	.4038	.8974	1.6541	.5716
25	.139	.4233	.4233	.4165	1.0146	1.8693	.6457
26	.144	.2761	.2761	.2693	.7207	1.3283	.4589
27	.150	.1624	.1624	.1554	.4902	.9038	.2924
28	.156	.1658	.1658	.1588	.5199	.9584	.3308
29	.161	.1244	.1244	.1176	.4261	.7890	.2726
30	.167	.0806	.0806	.0738	.3003	.5535	.1912
31	.172	.1002	.1002	.0934	.4062	.7486	.2716
32	.178	.0994	.0994	.0926	.4766	.8784	.3034
33	.183	.0757	.0757	.0689	.4007	.7385	.2551
34	.189	.0660	.0660	.0592	.3912	.7211	.2491
35	.194	.0429	.0429	.0361	.2718	.5010	.1731
36	.200	.0290	.0290	.0222	.1913	.3526	.1218
37	.206	.0363	.0363	.0295	.2921	.5384	.1860
38	.211	.0343	.0343	.0277	.3169	.5842	.2016
39	.217	.0270	.0270	.0202	.2676	.4932	.1703
40	.222	.0209	.0197	.0129	.1987	.3662	.1265
41	.228	.0129	.0129	.0060	.1086	.2002	.0691
42	.233	.0092	.0108	.0040	.0860	.1968	.0535
43	.239	.0140	.0129	.0061	.1504	.2772	.0958
44	.244	.0146	.0138	.0069	.2034	.3749	.1295
45	.250	.0123	.0128	.0060	.2082	.3837	.1325
46	.256	.0123	.0126	.0058	.2385	.4397	.1519
47	.261	.0139	.0126	.0058	.2851	.5256	.1816
48	.267	.0111	.0109	.0040	.2396	.4416	.1526
49	.272	.0078	.0085	.0017	.1220	.2249	.0777
50	.278	.0075	.0076	.0008	.0697	.1285	.0444
51	.283	.0078	.0075	.0007	.0715	.1318	.0455
52	.289	.0070	.0068	.0000	.0056	.0012	.0004
53	.294	.0056	.0056	.0000	.0000	.0000	.0000
54	.300	.0044	.0049	.0000	.0000	.0000	.0000
55	.306	.0051	.0052	.0000	.0000	.0000	.0000
56	.311	.0044	.0059	.0000	.0000	.0000	.0000
57	.317	.0056	.0059	.0000	.0000	.0000	.0000
58	.322	.0059	.0067	.0000	.0000	.0000	.0000
59	.328	.0095	.0092	.0023	.0023	.0043	.0015
60	.333	.0118	.0106	.0038	.0038	.0070	.0024



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 4/11/55 AV. T= 6.7 RECORD = JMC100
HOUR = 9 SIG.HGT. = 25.4 UPPER HGT. = 27.5
TOTAL OF =209 CORR. VAR. = 40.3 LOWER HGT. = 23.4
NOISE LEVEL = .0158 WIND SPEED = 50

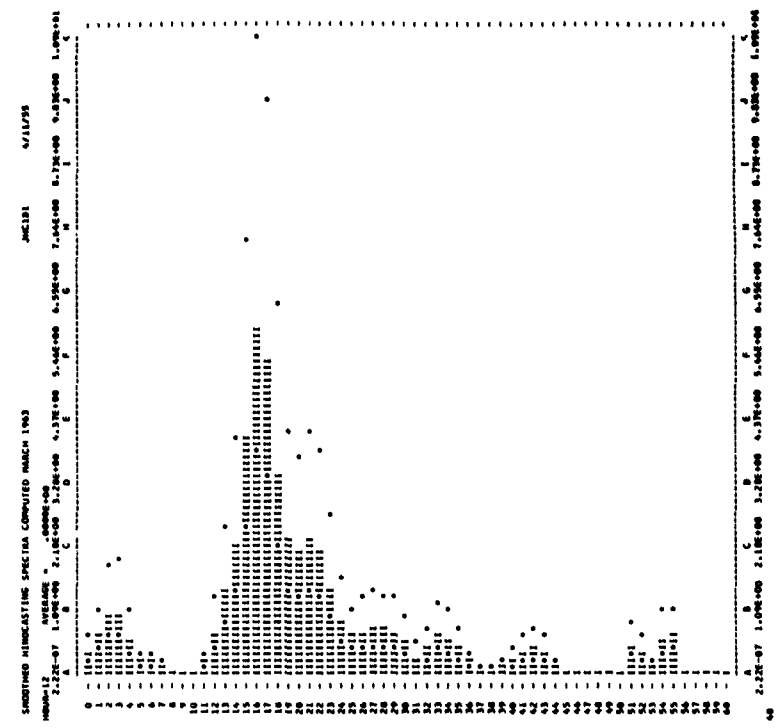
N	FRQ.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0765	.0765	.0607	.0607	.1118	.0387
1	.006	.1846	.1846	.1708	.1708	.3148	.1088
2	.011	.2895	.2895	.2737	.2737	.5045	.1745
3	.017	.2368	.2368	.2210	.2210	.4073	.1407
4	.022	.1702	.1702	.1544	.1544	.2846	.0983
5	.028	.1193	.1193	.1035	.1035	.1908	.0659
6	.033	.0802	.0802	.0644	.1041	.1918	.0663
7	.039	.0565	.0565	.0407	.0559	.1031	.0356
8	.044	.0426	.0426	.0268	.0334	.0615	.0212
9	.050	.0453	.0453	.0295	.0347	.0639	.0221
10	.056	.0537	.0537	.0379	.0432	.0796	.0275
11	.061	.0748	.0748	.0590	.0666	.1228	.0424
12	.067	.3080	.3080	.2922	.3314	.6109	.2110
13	.072	2.0274	2.0274	2.0116	2.3228	4.2813	1.4790
14	.078	4.1090	4.1090	4.0932	4.8586	8.9552	3.0937
15	.083	3.5470	3.5470	3.5312	4.5448	8.0081	2.7665
16	.089	2.0096	2.0096	1.9938	2.5610	4.7204	1.6307
17	.094	1.6727	1.6727	1.6569	2.2373	4.1240	1.4247
18	.100	1.4237	1.4237	1.4079	2.0101	3.7048	1.2799
19	.106	.8561	.8561	.8403	1.2767	2.3531	.8129
20	.111	.6683	.6683	.6525	1.0597	1.9532	.6748
21	.117	.6187	.6187	.6029	1.0917	1.9384	.6697
22	.122	.3852	.3852	.3694	.6955	1.2819	.4429
23	.128	.2792	.2792	.2634	.5377	.9911	.3424
24	.133	.3150	.3150	.2992	.6655	1.2266	.4238
25	.139	.4223	.4223	.4065	.9898	1.8243	.6302
26	.144	.4949	.4949	.4787	1.2812	2.3619	.8158
27	.150	.4104	.4104	.3946	1.1650	2.1472	.7418
28	.156	.2742	.2742	.2584	.8456	1.5586	.5384
29	.161	.1762	.1762	.1584	.5768	1.0631	.3673
30	.167	.1228	.1228	.1070	.4360	.8037	.2776
31	.172	.1080	.1080	.0922	.4209	.7758	.2680
32	.178	.0905	.0905	.0747	.3846	.7088	.2449
33	.183	.0786	.0786	.0628	.3654	.6735	.2327
34	.189	.0720	.0720	.0562	.3717	.6851	.2367
35	.194	.0645	.0645	.0487	.3671	.6766	.2338
36	.200	.0619	.0619	.0461	.3980	.7336	.2534
37	.206	.0587	.0587	.0429	.4254	.7841	.2709
38	.211	.0463	.0463	.0305	.3491	.6436	.2223
39	.217	.0326	.0326	.0168	.2203	.4060	.1403
40	.222	.0307	.0327	.0169	.2611	.4812	.1662
41	.228	.0371	.0349	.0187	.3368	.6207	.2144
42	.233	.0331	.0300	.0142	.3003	.5534	.1912
43	.239	.0318	.0271	.0044	.1577	.2907	.0994
44	.244	.0719	.0259	.0102	.2979	.5491	.1897
45	.250	.0432	.0361	.0203	.7071	1.3040	.4505
46	.256	.0362	.0342	.0184	.7627	1.4057	.4856
47	.261	.0212	.0251	.0115	.5213	.9612	.3320
48	.267	.0267	.0253	.0095	.5633	1.0383	.3587
49	.272	.0269	.0251	.0093	.6672	1.2298	.4248
50	.278	.0208	.0229	.0071	.6127	1.1292	.3901
51	.283	.0234	.0223	.0065	.6804	1.2540	.4333
52	.289	.0213	.0202	.0044	.5657	1.0390	.3588
53	.294	.0144	.0153	.0000	.0000	.0000	.0000
54	.300	.0110	.0111	.0000	.0000	.0000	.0000
55	.306	.0081	.0088	.0000	.0000	.0000	.0000
56	.311	.0080	.0090	.0000	.0000	.0000	.0000
57	.317	.0121	.0121	.0000	.0000	.0000	.0000
58	.322	.0162	.0164	.0006	.0006	.0011	.0004
59	.328	.0210	.0204	.0047	.0047	.0088	.0030
60	.333	.0236	.0223	.0065	.0069	.0120	.0041



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 4/11/55 AV. T= 7.9 RECORD = JMC101
HOUR = 12 SIG.HGT. = 27.9 UPPER HGT. = 30.5
TOTAL DF =102 CORR. VAR. = 44.9 LOWER HGT. = 25.6
NOISE LEVEL = .0317 WIND SPEED = 40

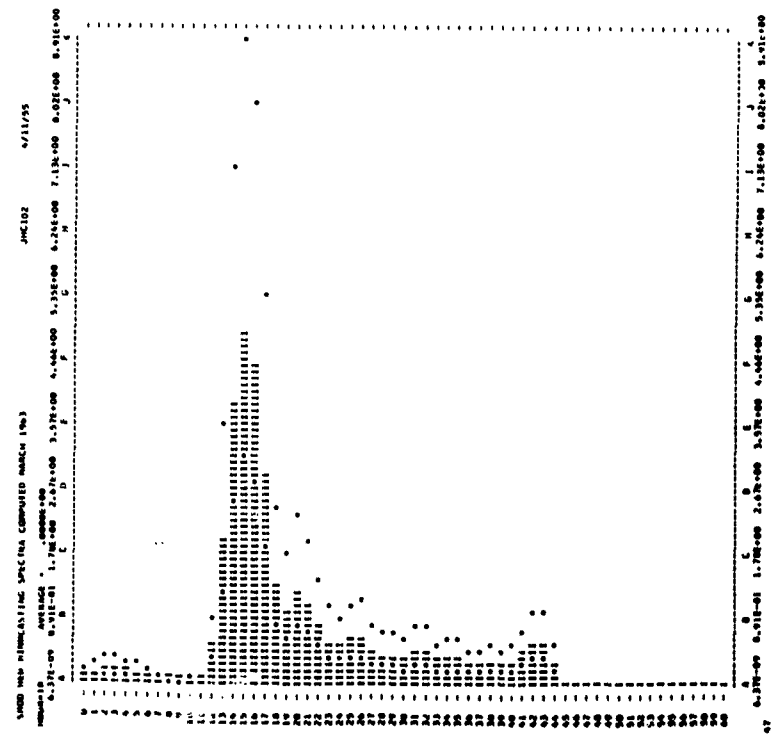
N	FRQ.	UNIT=FT.2 FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.3804	.3804	.3467	.3467	.6626	.2228
1	.006	.6438	.6438	.6121	.6121	1.1281	.3897
2	.011	1.0944	1.0944	1.0227	1.0227	1.8869	.6912
3	.017	1.0687	1.0687	1.0378	1.0378	1.9113	.6603
4	.022	.6281	.6281	.5964	.5964	1.0902	.3797
5	.028	.2393	.2393	.2036	.2036	.3752	.1296
6	.033	.1598	.1598	.1281	.2069	.3814	.1317
7	.039	.1280	.1280	.0963	.1323	.2438	.0842
8	.044	.0528	.0528	.0203	.0252	.0465	.0161
9	.050	.0488	.0488	.0083	.0097	.0179	.0062
10	.056	.0479	.0479	.0158	.0180	.0331	.0114
11	.061	.1792	.1792	.1479	.1665	.3069	.1060
12	.067	.6393	.6393	.6036	.6044	1.2619	.4359
13	.072	1.2211	1.2211	1.1894	1.3734	2.5313	.8745
14	.078	1.0723	1.0723	1.0406	2.1067	4.0268	1.3911
15	.083	3.3838	3.3838	3.3521	4.8259	7.4288	2.5635
16	.089	4.6428	4.6428	4.6111	9.9229	18.9168	3.7716
17	.094	3.9777	3.9777	3.9460	9.3286	9.8214	3.3929
18	.100	2.4236	2.4236	2.3917	3.4146	6.2936	2.1762
19	.106	1.5312	1.5312	1.4995	2.2781	4.1869	1.4506
20	.111	1.2894	1.2894	1.2577	2.2426	3.7648	1.3006
21	.117	1.3170	1.3170	1.2853	2.2428	4.1324	1.4276
22	.122	1.1197	1.1197	1.0880	2.0484	3.7755	1.3043
23	.128	.7491	.7491	.7174	1.4649	2.6993	.9325
24	.133	.4319	.4319	.4002	.8901	1.6405	.5667
25	.139	.2870	.2870	.2553	.6215	1.1456	.3958
26	.144	.2923	.2923	.2606	.6976	1.2854	.4441
27	.150	.2927	.2927	.2610	.7704	1.4200	.4906
28	.156	.2510	.2510	.2193	.7175	1.3225	.4569
29	.161	.2214	.2214	.1897	.6906	1.2729	.4398
30	.167	.1596	.1596	.1239	.5043	.9295	.3211
31	.172	.0911	.0911	.0594	.2710	.4995	.1726
32	.178	.1139	.1139	.0822	.4230	.7797	.2694
33	.183	.1396	.1396	.1079	.6276	1.1568	.3996
34	.189	.1197	.1197	.0880	.5817	1.0722	.3704
35	.194	.0860	.0860	.0543	.4090	.7539	.2604
36	.200	.0529	.0529	.0212	.1827	.3367	.1163
37	.206	.0359	.0359	.0038	.0373	.0687	.0237
38	.211	.0351	.0351	.0034	.0365	.0709	.0245
39	.217	.0387	.0387	.0070	.0924	.1702	.0588
40	.222	.0460	.0458	.0141	.2176	.4011	.1386
41	.228	.0527	.0508	.0191	.3642	.6343	.2191
42	.233	.0520	.0508	.0191	.4036	.7435	.2569
43	.239	.0667	.0651	.0134	.3331	.6139	.2121
44	.244	.0392	.0366	.0049	.1441	.2656	.0918
45	.250	.0295	.0309	.0000	.0000	.0000	.0000
46	.256	.0295	.0287	.0000	.0000	.0000	.0000
47	.261	.0266	.0261	.0000	.0000	.0000	.0000
48	.267	.0221	.0232	.0000	.0000	.0000	.0000
49	.272	.0223	.0244	.0000	.0000	.0000	.0000
50	.278	.0311	.0310	.0000	.0000	.0000	.0000
51	.283	.0396	.0362	.0065	.4742	.8741	.3020
52	.289	.0347	.0346	.0028	.4732	.8695	.2311
53	.294	.0293	.0323	.0006	.0917	.1690	.0584
54	.300	.0360	.0347	.0029	.5650	1.0415	.3598
55	.306	.0376	.0343	.0025	.6018	1.1092	.3832
56	.311	.0263	.0277	.0000	.0000	.0000	.0000
57	.317	.0287	.0240	.0000	.0000	.0000	.0000
58	.322	.0283	.0278	.0000	.0000	.0000	.0000
59	.328	.0338	.0323	.0006	.0006	.0010	.0004
60	.333	.0333	.0335	.0018	.0018	.0033	.0012



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 4/11/55 AV. T= 8.2 RECORD = JMC102
HOUR = 18 SIG.HGT. = 23.5 UPPER HGT. = 29.6
TOTAL DF =143 CORR. VAR. = 33.8 LOWER HGT. = 21.1
NOISE LEVEL = .0137 WIND SPEED = 30

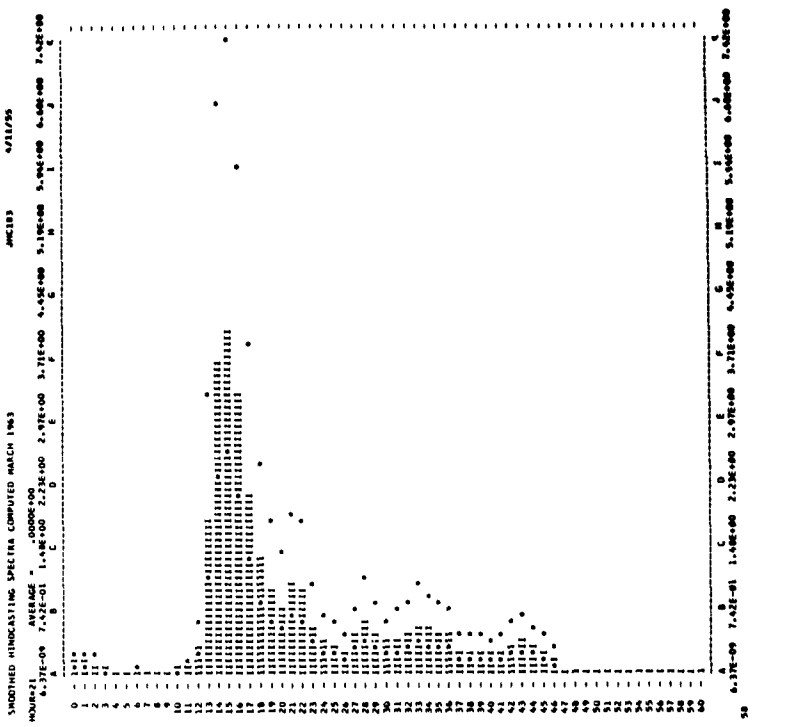
N	FRQ.	UNIT=FT.2 FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0973	.0973	.0836	.0836	.1540	.0532
1	.006	.1453	.1453	.1316	.1316	.2425	.0838
2	.011	.2066	.2066	.1927	.1927	.3551	.1227
3	.017	.2222	.2222	.1885	.1885	.3474	.1200
4	.022	.1805	.1805	.1468	.1468	.3074	.1062
5	.028	.1367	.1367	.1230	.1230	.2766	.0783
6	.033	.0688	.0688	.0551	.0890	.1640	.0566
7	.039	.0444	.0444	.0307	.0621	.0776	.0268
8	.044	.0529	.0529	.0302	.0488	.0899	.0310
9	.050	.0580	.0580	.0443	.0520	.0958	.0331
10	.056	.0479	.0479	.0342	.0389	.0718	.0248
11	.061	.0760	.0760	.0623	.0703	.1298	.0448
12	.067	.4575	.4575	.4438	.5034	.9278	.3205
13	.072	1.6762	1.6762	1.6625	1.9196	3.5382	1.2223
14	.078	3.2791	3.2791	3.2654	3.8760	7.1440	2.4680
15	.083	3.9445	3.9445	3.9308	4.8384	8.9162	3.0795
16	.089	3.6183	3.6183	3.6046	4.5732	8.0604	2.7844
17	.094	2.1577	2.1577	2.1440	2.8952	5.3363	1.8439
18	.100	.9194	.9194	.9057	1.2930	2.3832	.8233
19	.106	.6503	.6503	.6366	.9671	1.7825	.6158
20	.111	.7879	.7879	.7742	1.2573	2.3174	.8006
21	.117	.6359	.6359	.6222	1.0851	2.0003	.6910
22	.122	.4312	.4312	.4175	.7860	1.4487	.5005
23	.128	.2932	.2932	.2795	.5705	1.0515	.3633
24	.133	.2403	.2403	.2266	.5039	.9288	.3209
25	.139	.2555	.2555	.2418	.5086	1.0850	.3748
26	.144	.2667	.2667	.2330	.6235	1.1492	.3970
27	.150	.1645	.1645	.1506	.4645	.8192	.2830
28	.156	.1259	.1259	.1122	.3670	.6765	.2337
29	.161	.1210	.1210	.1073	.3906	.7199	.2487
30	.167	.0957	.0957	.0820	.3337	.6150	.2125
31	.172	.1089	.1089	.0952	.4344	.8007	.2766
32	.178	.0993	.0993	.0856	.4405	.8119	.2805
33	.183	.0677	.0677	.0540	.3140	.5787	.1999
34	.189	.0664	.0664	.0527	.3682	.6619	.2217
35	.194	.0583	.0583	.0446	.3359	.6191	.2139
36	.200	.0610	.0610	.0273	.2353	.4337	.1498
37	.206	.0368	.0368	.0231	.2286	.4214	.1456
38	.211	.0377	.0377	.0240	.2742	.5054	.1746
39	.217	.0307	.0307	.0170	.2250	.4147	.1433
40	.222	.0281	.0310	.0173	.2665	.4913	.1697
41	.228	.0372	.0362	.0225	.4049	.7462	.2578
42	.233	.0424	.0399	.0262	.5521	1.0176	.3515
43	.239	.0376	.0353	.0215	.5367	.9856	.3405
44	.244	.0235	.0261	.0104	.3054	.5629	.1945
45	.250	.0126	.0143	.0006	.0166	.0360	.0117
46	.256	.0096	.0106	.0000	.0000	.0000	.0000
47	.261	.0111	.0131	.0000	.0000	.0000	.0000
48	.267	.0206	.0192	.0055	.0055	.0101	.0035
49	.272	.0206	.0214	.0077	.0077	.0141	.0049
50	.278	.0158	.0175	.0038	.0038	.0070	.0024
51	.283	.0140	.0146	.0009	.0069	.0016	.0005
52	.289	.0146	.0138	.0000	.0000	.0000	.0000
53	.294	.0088	.0102	.0000	.0000	.0000	.0000
54	.300	.0068	.0102	.0000	.0000	.0000	.0000
55	.306	.0144	.0134	.0000	.0000	.0000	.0000
56	.311	.0162	.0160	.0022	.0022	.0041	.0014
57	.317	.0171	.0169	.0032	.0032	.0059	.0020
58	.322	.0173	.0164	.0026	.0026	.0048	.0017
59	.328	.0138	.0141	.0003	.0003	.0006	.0002
60	.333	.0114	.0126	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 4/11/55 AV. T= 7.9 RECORD = JMC103
HOUR = 21 SIG.HGT. = 21.7 UPPER HGT. = 23.6
TOTAL DF =193 CORR. VAR. = 24.3 LOWER HGT. = 19.7
NOISE LEVEL = .0153 WIND SPEED = 0

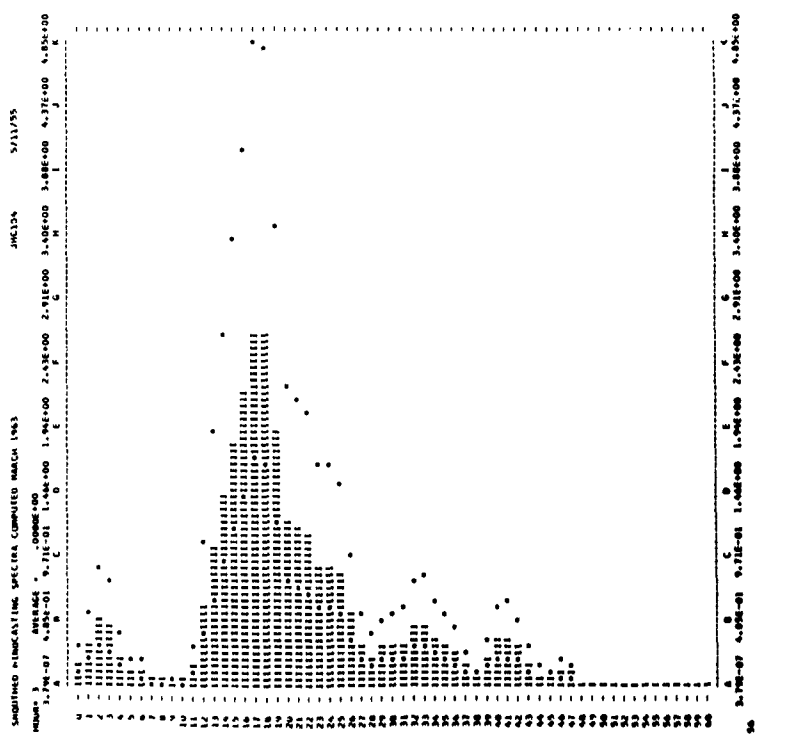
H	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1866	.1866	.1113	.2092	.0709
1	.006	.1678	.1678	.1325	.2643	.0844
2	.011	.1218	.1218	.1057	.1949	.0673
3	.017	.0582	.0582	.0399	.0738	.0254
4	.022	.0348	.0348	.0187	.0369	.0119
5	.028	.0357	.0357	.0184	.0340	.0117
6	.033	.0331	.0331	.0178	.0288	.0103
7	.039	.0218	.0218	.0097	.0149	.0090
8	.044	.0166	.0166	.0013	.0030	.0011
9	.050	.0294	.0294	.0143	.0168	.0107
10	.056	.0536	.0536	.0383	.0457	.0805
11	.061	.0832	.0832	.0678	.0767	.1416
12	.067	.2867	.2867	.2716	.3079	.5678
13	.072	1.9333	1.9333	1.9180	1.7929	3.2308
14	.078	3.0801	3.0801	3.0648	3.6379	6.7053
15	.083	3.2872	3.2872	3.2719	4.0258	7.4201
16	.089	2.5364	2.5364	2.5211	3.2384	5.9648
17	.094	1.5538	1.5538	1.5385	2.0776	3.8294
18	.100	.9466	.9466	.9313	1.3297	2.4507
19	.106	.6533	.6533	.6380	.9694	1.7867
20	.111	.4838	.4838	.4685	.7009	1.4025
21	.117	.6003	.6003	.5850	1.0205	1.8810
22	.122	.5379	.5379	.5226	.9840	1.8137
23	.128	.2865	.2865	.2712	.5537	1.0204
24	.133	.1814	.1814	.1661	.3495	.6811
25	.139	.1458	.1458	.1305	.3178	.5858
26	.144	.1089	.1089	.0936	.2506	.4619
27	.150	.1978	.1978	.1825	.4208	.7756
28	.156	.1938	.1938	.1785	.4042	1.0768
29	.161	.1317	.1317	.1164	.4239	.7814
30	.167	.0978	.0978	.0825	.3360	.6193
31	.172	.1038	.1038	.0885	.4042	.7449
32	.178	.1067	.1067	.0894	.4604	.8487
33	.183	.1093	.1093	.0940	.5471	1.0084
34	.189	.0901	.0901	.0748	.4949	.9121
35	.194	.0764	.0764	.0611	.4608	.8493
36	.200	.0633	.0633	.0480	.4146	.7642
37	.206	.0387	.0387	.0234	.2323	.4282
38	.211	.0357	.0357	.0204	.2338	.4309
39	.217	.0346	.0346	.0193	.2564	.4726
40	.222	.0282	.0286	.0133	.2063	.3802
41	.228	.0276	.0284	.0131	.2364	.4357
42	.233	.0322	.0304	.0151	.3193	.5885
43	.239	.0296	.0291	.0138	.3440	.6340
44	.244	.0254	.0254	.0101	.2965	.5466
45	.250	.0217	.0217	.0065	.2254	.4154
46	.256	.0185	.0194	.0042	.1720	.3170
47	.261	.0190	.0205	.0050	.0050	.0092
48	.267	.0246	.0252	.0100	.0100	.0183
49	.272	.0327	.0306	.0153	.0153	.0282
50	.278	.0323	.0295	.0142	.0142	.0262
51	.283	.0207	.0218	.0066	.0066	.0121
52	.289	.0137	.0156	.0004	.0004	.0007
53	.294	.0145	.0145	.0000	.0000	.0000
54	.300	.0153	.0157	.0004	.0004	.0007
55	.306	.0176	.0172	.0019	.0019	.0035
56	.311	.0183	.0173	.0020	.0020	.0037
57	.317	.0150	.0152	.0000	.0000	.0000
58	.322	.0124	.0128	.0000	.0000	.0000
59	.328	.0114	.0115	.0000	.0000	.0000
60	.333	.0108	.0111	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 5/11/55 AV. T= 8.2 RECORD = JMC104
HOUR = 3 SIG.HGT. = 21.0 UPPER HGT. = 22.8
TOTAL DF =204 CORR. VAR. = 27.6 LOWER HGT. = 19.4
NOISE LEVEL = .0132 WIND SPEED = 35

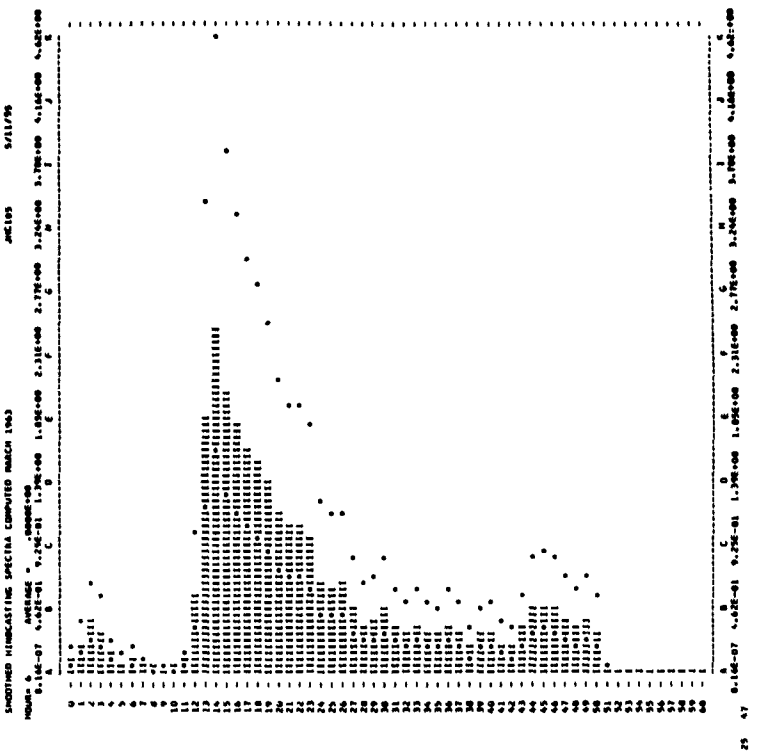
H	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1769	.1769	.1637	.3018	.1042
1	.006	.3046	.3046	.2914	.5371	.1856
2	.011	.4926	.4926	.4792	.8833	.3051
3	.017	.4312	.4312	.4180	.7705	.2662
4	.022	.2306	.2306	.2174	.4007	.1384
5	.028	.1296	.1296	.1164	.2144	.0741
6	.033	.0706	.0706	.0572	.1304	.0449
7	.039	.0369	.0369	.0237	.0401	.0207
8	.044	.0328	.0328	.0196	.0244	.0450
9	.050	.0274	.0274	.0142	.0167	.0308
10	.056	.0396	.0396	.0264	.0301	.0555
11	.061	.1611	.1611	.1479	.1870	.3078
12	.067	.5190	.5190	.5058	.5737	1.0575
13	.072	.8921	.8921	.8789	1.0149	1.8706
14	.078	1.2122	1.2122	1.1990	1.4232	2.6232
15	.083	1.4868	1.4868	1.4736	1.8131	3.3419
16	.089	1.7109	1.7109	1.6977	2.1807	4.0194
17	.094	1.9637	1.9637	1.9505	2.6340	4.8548
18	.100	1.8363	1.8363	1.8231	2.6029	4.7975
19	.106	1.2439	1.2439	1.2307	1.8698	3.4464
20	.111	.7453	.7453	.7321	1.2215	2.2514
21	.117	.6799	.6799	.6667	1.1630	2.1436
22	.122	.5984	.5984	.5852	1.1018	2.0309
23	.128	.4460	.4460	.4328	.8836	1.6286
24	.133	.4151	.4151	.4019	.8940	1.6477
25	.139	.3454	.3454	.3322	.8089	1.4909
26	.144	.2055	.2055	.1923	.5147	.9487
27	.150	.1080	.1080	.0948	.2799	.5159
28	.156	.0773	.0773	.0641	.2098	.3867
29	.161	.0887	.0887	.0755	.2750	.5068
30	.167	.0895	.0895	.0723	.2944	.5427
31	.172	.0800	.0800	.0668	.3050	.5622
32	.178	.0952	.0952	.0820	.4223	.7784
33	.183	.0883	.0883	.0751	.4371	.8056
34	.189	.0658	.0658	.0526	.3480	.6414
35	.194	.0499	.0499	.0367	.2768	.5101
36	.200	.0401	.0401	.0269	.2326	.4283
37	.206	.0296	.0296	.0164	.1731	.2269
38	.211	.0175	.0175	.0043	.0494	.0910
39	.217	.0280	.0280	.0148	.1966	.3623
40	.222	.0375	.0338	.0206	.3186	.5868
41	.228	.0323	.0320	.0188	.3393	.6254
42	.233	.0260	.0259	.0128	.2695	.4966
43	.239	.0195	.0197	.0065	.1624	.2994
44	.244	.0159	.0196	.0024	.0702	.1293
45	.250	.0150	.0150	.0018	.0640	.1180
46	.256	.0162	.0156	.0024	.1011	.1864
47	.261	.0151	.0147	.0015	.0738	.1361
48	.267	.0123	.0127	.0000	.0000	.0000
49	.272	.0121	.0121	.0000	.0000	.0000
50	.278	.0118	.0112	.0000	.0000	.0000
51	.283	.0099	.0102	.0000	.0000	.0000
52	.289	.0093	.0100	.0000	.0000	.0000
53	.294	.0116	.0112	.0000	.0000	.0000
54	.300	.0123	.0116	.0000	.0000	.0000
55	.306	.0104	.0103	.0000	.0000	.0000
56	.311	.0082	.0091	.0000	.0000	.0000
57	.317	.0103	.0118	.0000	.0000	.0000
58	.322	.0186	.0172	.0040	.0040	.0074
59	.328	.0214	.0200	.0068	.0068	.0126
60	.333	.0187	.0200	.0069	.0069	.0127



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 5/11/55 AV. T= 7.1 RECORD = JMC109
HOUR = 0 SIG.HGT. = 21.4 UPPER HGT. = 29.1
TOTAL DF =268 CORR. VAR. = 20.7 LOWER HGT. = 10.9
NOISE LEVEL = .0121 WIND SPEED = 35

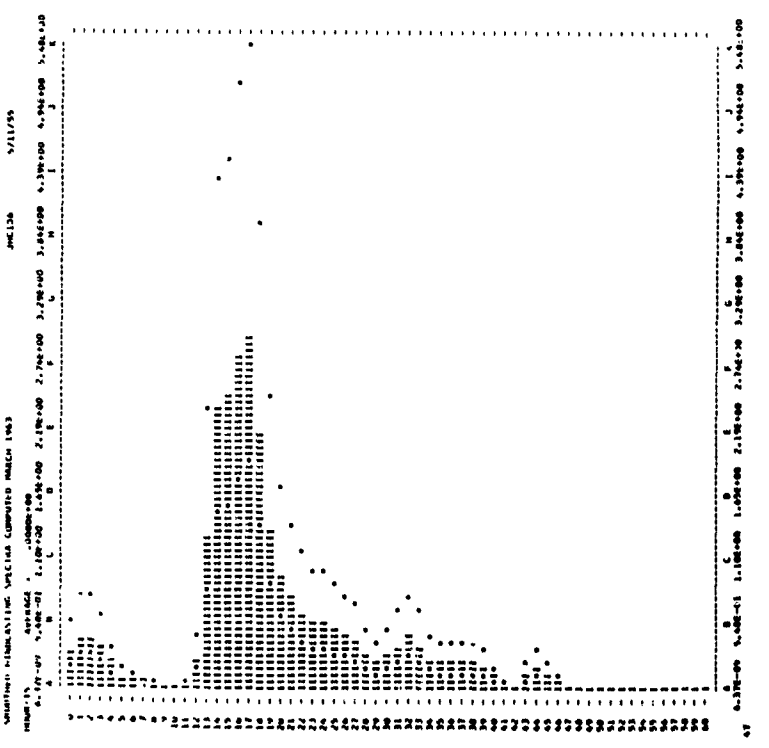
M	FRQ.	UNIT-PT.2	FILTERED	-NOISE	CORR.PT.2	UPPER	LOWER
0	.000	.1112	.1112	.0991	.0991	.1626	.0631
1	.006	.2896	.2896	.1938	.1935	.3566	.1232
2	.011	.3627	.3627	.3806	.3806	.6462	.2232
3	.017	.3125	.3125	.3804	.3804	.5936	.1813
4	.022	.1409	.1409	.1288	.1288	.2376	.0828
5	.028	.0789	.0789	.0668	.0668	.1231	.0425
6	.033	.0673	.0673	.0552	.0552	.1043	.0568
7	.039	.0677	.0677	.0356	.0469	.0901	.0311
8	.044	.0368	.0368	.0247	.0367	.0566	.0196
9	.050	.0241	.0241	.0128	.0141	.0259	.0090
10	.056	.0393	.0393	.0272	.0310	.0571	.0197
11	.061	.0742	.0742	.0621	.0701	.1292	.0446
12	.067	.4896	.4896	.4775	.5416	.9983	.3449
13	.072	1.6281	1.6281	1.6160	1.8640	3.4393	1.1881
14	.078	2.1259	2.1259	2.1138	2.5091	4.6246	1.5976
15	.083	1.6794	1.6794	1.6673	2.0514	3.7811	1.3062
16	.089	1.2143	1.2143	1.2022	1.5011	3.3197	1.1468
17	.094	1.2237	1.2237	1.2116	1.6361	3.8156	1.3418
18	.100	1.0867	1.0867	1.0746	1.5342	2.8277	.9769
19	.106	.9260	.9260	.9119	1.3854	2.5535	.8822
20	.111	.7199	.7199	.7058	1.1488	2.1168	.7310
21	.117	.6175	.6175	.6054	1.0560	1.9464	.6724
22	.122	.5748	.5748	.5627	1.0594	1.9527	.6746
23	.128	.4919	.4919	.4798	.8795	1.8053	.6237
24	.133	.3126	.3126	.3005	.6679	1.2311	.4253
25	.139	.2660	.2660	.2539	.6132	1.1304	.3936
26	.144	.2462	.2462	.2341	.6265	1.1548	.3988
27	.150	.1622	.1622	.1501	.4431	.8167	.2821
28	.156	.1175	.1175	.1054	.3449	.6356	.1196
29	.161	.1185	.1185	.1064	.3874	.7140	.2467
30	.167	.1211	.1211	.1090	.4437	.8178	.2825
31	.172	.0856	.0856	.0735	.3355	.6183	.2136
32	.178	.0637	.0637	.0516	.2656	.4895	.1691
33	.183	.0685	.0685	.0564	.3281	.6047	.2089
34	.189	.0557	.0557	.0436	.2882	.5312	.1835
35	.194	.0466	.0466	.0345	.2599	.4791	.1655
36	.200	.0509	.0509	.0388	.3348	.6171	.2132
37	.206	.0387	.0387	.0266	.2636	.4859	.1678
38	.211	.0273	.0273	.0152	.1737	.3202	.1106
39	.217	.0318	.0318	.0197	.2611	.4813	.1663
40	.222	.0325	.0295	.0174	.2685	.4948	.1709
41	.228	.0213	.0228	.0107	.1919	.3537	.1222
42	.233	.0160	.0198	.0077	.1632	.3007	.1039
43	.239	.0261	.0243	.0122	.3025	.5576	.1926
44	.244	.0290	.0273	.0152	.4496	.8212	.2837
45	.250	.0251	.0259	.0138	.4788	.8825	.3049
46	.256	.0243	.0232	.0111	.4582	.8446	.2918
47	.261	.0190	.0196	.0075	.3718	.6854	.2368
48	.267	.0162	.0174	.0053	.3156	.5813	.2008
49	.272	.0183	.0172	.0051	.3693	.6732	.2326
50	.278	.0161	.0155	.0034	.2949	.5435	.1877
51	.283	.0116	.0123	.0002	.0189	.0349	.0121
52	.289	.0099	.0106	.0000	.0000	.0000	.0000
53	.294	.0110	.0106	.0000	.0000	.0000	.0000
54	.300	.0104	.0101	.0000	.0000	.0000	.0000
55	.306	.0087	.0103	.0000	.0000	.0000	.0000
56	.311	.0193	.0131	.0010	.0010	.0018	.0006
57	.317	.0170	.0153	.0032	.0032	.0058	.0020
58	.322	.0138	.0141	.0020	.0020	.0037	.0013
59	.328	.0120	.0126	.0005	.0005	.0008	.0003
60	.333	.0125	.0122	.0001	.0001	.0002	.0001



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 5/11/55 AV. T= 8.7 RECORD = JMC106
HOUR = 15 SIG.HGT. = 20.3 UPPER HGT. = 22.2
TOTAL DF =169 CORR. VAR. = 25.8 LOWER HGT. = 18.5
NOISE LEVEL = .0110 WIND SPEED = 25

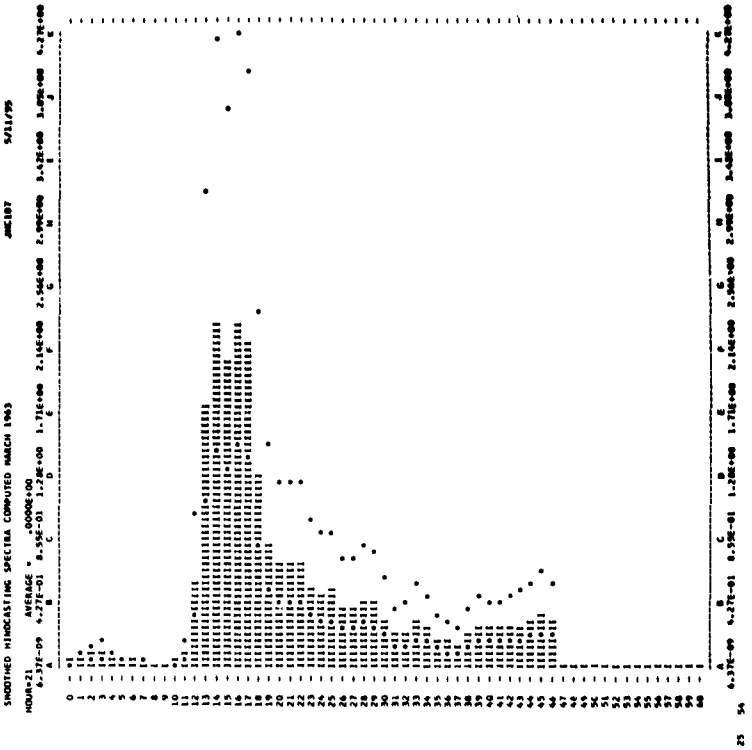
M	FRQ.	UNIT-FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.3001	.3001	.2891	.2891	.5328	.1841
1	.006	.4147	.4147	.4037	.4037	.7441	.2570
2	.011	.4178	.4178	.4068	.4068	.7498	.2590
3	.017	.3353	.3353	.3243	.3243	.5977	.2065
4	.022	.2041	.2041	.1931	.1931	.3559	.1229
5	.028	.0907	.0907	.0797	.0797	.1469	.0507
6	.033	.0390	.0390	.0280	.0452	.0834	.0288
7	.039	.0339	.0339	.0229	.0315	.0580	.0200
8	.044	.0305	.0305	.0195	.0243	.0447	.0155
9	.050	.0214	.0214	.0104	.0122	.0225	.0078
10	.056	.0207	.0207	.0097	.0110	.0204	.0070
11	.061	.0281	.0281	.0171	.0193	.0356	.0123
12	.067	.2158	.2158	.2048	.2323	.4282	.1479
13	.072	1.1177	1.1177	1.1067	1.2779	2.3553	.8137
14	.078	1.4958	1.4958	1.4848	2.3559	4.3424	1.5001
15	.083	1.4981	1.4981	1.4871	2.4449	4.5061	1.5568
16	.089	2.1781	2.1781	2.1671	2.7834	5.1306	1.7724
17	.094	2.2147	2.2147	2.2037	2.9759	5.4850	1.8949
18	.100	1.5086	1.5086	1.4976	2.1381	3.9409	1.3614
19	.106	.8937	.8937	.8827	1.3611	2.4718	.8539
20	.111	.5767	.5767	.5657	.9195	1.6874	.5828
21	.117	.4623	.4623	.4513	.7523	1.3867	.4790
22	.122	.3458	.3458	.3348	.6303	1.1618	.4014
23	.128	.2666	.2666	.2556	.5218	.9617	.3322
24	.133	.2456	.2456	.2346	.5218	.9618	.3322
25	.139	.2018	.1928	.1818	.4496	.8652	.2989
26	.144	.1708	.1708	.1598	.4277	.7883	.2723
27	.150	.1411	.1411	.1301	.3841	.7079	.2445
28	.156	.0892	.0892	.0782	.2559	.4716	.1629
29	.161	.0680	.0680	.0570	.2075	.3825	.1321
30	.167	.0757	.0757	.0647	.2634	.4854	.1677
31	.172	.0860	.0860	.0750	.3424	.6310	.2180
32	.178	.0931	.0931	.0821	.4227	.7791	.2691
33	.183	.0720	.0720	.0610	.3549	.6541	.2260
34	.189	.0474	.0474	.0364	.2407	.4436	.1532
35	.194	.0369	.0369	.0259	.1952	.3597	.1243
36	.200	.0341	.0341	.0231	.1996	.3674	.1269
37	.206	.0326	.0326	.0216	.2141	.3946	.1363
38	.211	.0285	.0285	.0175	.2002	.3690	.1275
39	.217	.0243	.0243	.0133	.1817	.3348	.1157
40	.222	.0185	.0176	.0066	.1020	.1881	.0650
41	.228	.0098	.0119	.0009	.0160	.0295	.0102
42	.233	.0190	.0116	.0006	.0130	.0239	.0083
43	.239	.0167	.0156	.0046	.1152	.2124	.0734
44	.244	.0192	.0174	.0064	.1876	.3457	.1194
45	.250	.0165	.0167	.0057	.1302	.2399	.0829
46	.256	.0108	.0126	.0016	.0659	.1215	.0420
47	.261	.0143	.0149	.0039	.0014	.0072	.0025
48	.267	.0201	.0190	.0080	.0080	.0148	.0051
49	.272	.0212	.0197	.0087	.0087	.0160	.0055
50	.278	.0181	.0182	.0072	.0032	.0058	.0020
51	.283	.0115	.0119	.0004	.0009	.0016	.0006
52	.289	.0085	.0095	.0000	.0000	.0000	.0000
53	.294	.0095	.0106	.0000	.0000	.0000	.0000
54	.300	.0106	.0174	.0013	.0019	.0034	.0012
55	.306	.0128	.0118	.0008	.0004	.0007	.0003
56	.311	.0072	.0088	.0000	.0000	.0000	.0000
57	.317	.0081	.0090	.0000	.0000	.0000	.0000
58	.322	.0125	.0119	.0005	.0005	.0009	.0003
59	.328	.0128	.0121	.0011	.0013	.0023	.0008
60	.333	.0110	.0110	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 5/11/55 AV. T= 7.7 RECORD = JHC107
HOUR = 21 SIG.HGT. = 19.2 UPPER HGT. = 20.9
TOTAL DF =183 CORR. VAR. = 23.1 LOWER HGT. = 17.7
NOISE LEVEL = .0089 WIND SPEED = 35

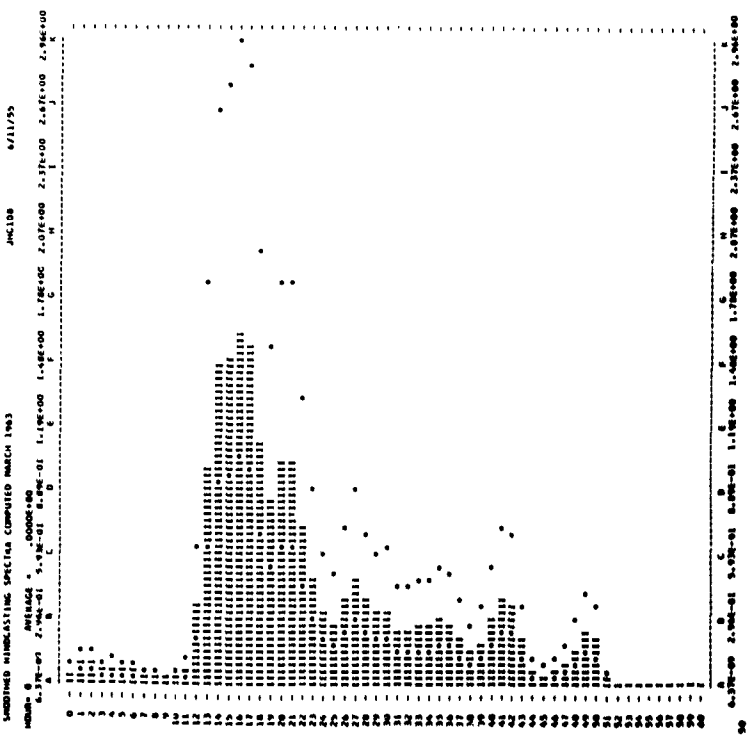
N	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0376	.0376	.0287	.0287	.0528	.0188
1	.006	.0804	.0804	.0418	.0619	.0764	.0264
2	.011	.0843	.0843	.0776	.0776	.1426	.0493
3	.017	.0938	.0938	.0844	.0844	.1559	.0538
4	.022	.0866	.0866	.0417	.0417	.0768	.0265
5	.028	.0287	.0287	.0168	.0168	.0309	.0107
6	.033	.0304	.0304	.0213	.0347	.0639	.0221
7	.039	.0211	.0211	.0122	.0167	.0308	.0106
8	.044	.0177	.0177	.0088	.0109	.0201	.0070
9	.050	.0103	.0103	.0014	.0016	.0030	.0010
10	.056	.0300	.0300	.0291	.0331	.0611	.0211
11	.061	.0969	.0969	.0868	.0971	.1789	.0618
12	.067	.4974	.4974	.4888	.5841	1.0212	.3528
13	.072	1.5128	1.5128	1.5039	1.7369	3.2067	1.1097
14	.078	1.5788	1.5788	1.5701	2.2898	4.2284	1.4580
15	.083	1.6766	1.6766	1.6677	2.0919	3.7820	1.3068
16	.089	1.8146	1.8146	1.8057	2.3194	4.2756	1.4768
17	.094	1.8291	1.8291	1.8202	2.1879	4.0326	1.3931
18	.100	.9193	.9193	.9104	1.2907	2.3956	.8276
19	.106	.5363	.5363	.5274	.8812	1.6268	.5102
20	.111	.4234	.4234	.4145	.6731	1.2407	.4286
21	.117	.3893	.3893	.3804	.6639	1.2236	.4227
22	.122	.3696	.3696	.3607	.6791	1.2516	.4324
23	.128	.2649	.2649	.2560	.5226	.9632	.3327
24	.133	.2286	.2286	.2197	.4842	.8924	.3083
25	.139	.2119	.2119	.2030	.4942	.9109	.3147
26	.144	.1941	.1941	.1852	.3885	.7161	.2474
27	.150	.1448	.1448	.1359	.4011	.7393	.2554
28	.156	.1434	.1434	.1345	.4400	.8111	.2802
29	.161	.1219	.1219	.1126	.4099	.7555	.2610
30	.167	.0859	.0859	.0770	.3134	.5776	.1995
31	.172	.0593	.0593	.0444	.2026	.3733	.1290
32	.178	.0538	.0538	.0449	.2310	.4258	.1471
33	.183	.0601	.0601	.0512	.2977	.5488	.1896
34	.189	.0462	.0462	.0373	.2465	.4543	.1569
35	.194	.0335	.0335	.0246	.1892	.3613	.1179
36	.200	.0278	.0278	.0189	.1629	.3002	.1037
37	.206	.0257	.0257	.0168	.1464	.2699	.0932
38	.211	.0266	.0266	.0177	.2022	.3727	.1288
39	.217	.0280	.0280	.0191	.2530	.4663	.1611
40	.222	.0242	.0245	.0156	.2409	.4440	.1534
41	.228	.0218	.0222	.0133	.2389	.4404	.1521
42	.233	.0210	.0209	.0120	.2531	.4666	.1612
43	.239	.0199	.0199	.0110	.2730	.5032	.1738
44	.244	.0189	.0193	.0103	.3036	.5595	.1933
45	.250	.0194	.0187	.0097	.3391	.6250	.2159
46	.256	.0170	.0164	.0075	.3106	.5724	.1977
47	.261	.0123	.0143	.0054	.0054	.0099	.0034
48	.267	.0156	.0152	.0063	.0063	.0116	.0040
49	.272	.0173	.0151	.0062	.0062	.0114	.0039
50	.278	.0102	.0110	.0021	.0021	.0039	.0013
51	.283	.0065	.0074	.0000	.0000	.0000	.0000
52	.289	.0064	.0064	.0000	.0000	.0000	.0000
53	.294	.0065	.0070	.0000	.0000	.0000	.0000
54	.300	.0087	.0083	.0000	.0000	.0000	.0000
55	.306	.0095	.0091	.0001	.0001	.0003	.0001
56	.311	.0086	.0091	.0002	.0002	.0004	.0001
57	.317	.0098	.0098	.0009	.0009	.0016	.0006
58	.322	.0110	.0106	.0017	.0017	.0031	.0011
59	.328	.0107	.0108	.0018	.0018	.0033	.0012
60	.333	.0107	.0107	.0018	.0018	.0033	.0011



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 6/11/55 AV. T= 7.2 RECORD = JHC108
HOUR = 0 SIG.HGT. = 17.8 UPPER HGT. = 19.2
TOTAL DF =231 CORR. VAR. = 19.8 LOWER HGT. = 16.5
NOISE LEVEL = .0094 WIND SPEED = 25

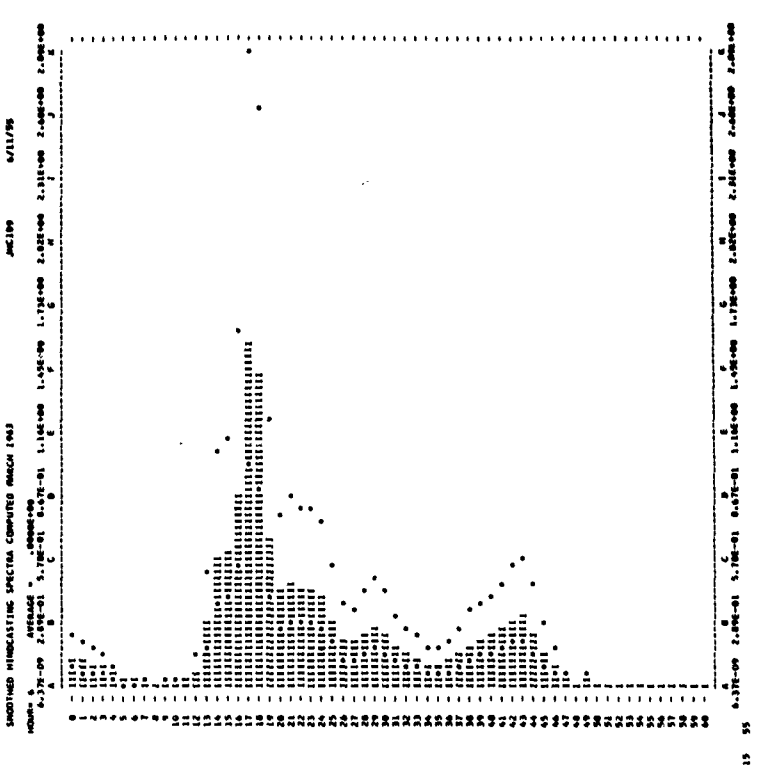
N	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0504	.0504	.0410	.0410	.0755	.0261
1	.006	.0868	.0868	.0774	.0774	.1426	.0493
2	.011	.0916	.0916	.0822	.0822	.1515	.0523
3	.017	.0590	.0590	.0496	.0496	.0914	.0316
4	.022	.0680	.0680	.0586	.0586	.1080	.0373
5	.028	.0592	.0592	.0498	.0498	.0918	.0317
6	.033	.0378	.0378	.0284	.0459	.0845	.0292
7	.039	.0296	.0296	.0202	.0277	.0511	.0177
8	.044	.0290	.0290	.0196	.0244	.0450	.0155
9	.050	.0296	.0296	.0202	.0237	.0437	.0151
10	.056	.0353	.0353	.0259	.0299	.0544	.0188
11	.061	.0697	.0697	.0603	.0681	.1255	.0433
12	.067	.3106	.3106	.3012	.3416	.6297	.2175
13	.072	.8665	.8665	.8571	.9897	1.8241	.6302
14	.078	1.2208	1.2208	1.2114	1.4379	2.6503	.9156
15	.083	1.2222	1.2222	1.2128	1.4922	2.7504	.9502
16	.089	1.2611	1.2611	1.2517	1.6078	2.9634	1.0237
17	.094	1.1479	1.1479	1.1385	1.5374	2.8337	.9789
18	.100	.7691	.7691	.7597	1.0844	1.9991	.6906
19	.106	.5593	.5593	.5499	.8354	1.5398	.5320
20	.111	.6245	.6245	.6151	.9990	1.8412	.6361
21	.117	.5804	.5804	.5710	.9960	1.8358	.6342
22	.122	.3858	.3858	.3764	.7087	1.3062	.4512
23	.128	.2620	.2620	.2326	.6748	.8782	.3023
24	.133	.1922	.1922	.1428	.3176	.5854	.2022
25	.139	.1187	.1187	.1093	.2681	.4905	.1694
26	.144	.1534	.1534	.1440	.3854	.7103	.2454
27	.150	.1740	.1740	.1646	.4859	.8956	.3096
28	.156	.1237	.1237	.1143	.3740	.6893	.2381
29	.161	.0999	.0999	.0905	.3295	.6073	.2098
30	.167	.0915	.0915	.0821	.3342	.6160	.2128
31	.172	.0614	.0614	.0520	.2373	.4375	.1511
32	.178	.0576	.0576	.0482	.2471	.4554	.1573
33	.183	.0534	.0534	.0440	.2560	.4718	.1630
34	.189	.0479	.0479	.0385	.2545	.4692	.1621
35	.194	.0481	.0481	.0387	.2416	.5375	.1697
36	.200	.0417	.0417	.0323	.2788	.5138	.1775
37	.206	.0301	.0301	.0207	.2052	.3781	.1306
38	.211	.0219	.0219	.0125	.1429	.2634	.0910
39	.217	.0235	.0235	.0141	.1869	.3445	.1190
40	.222	.0282	.0282	.0188	.2906	.5355	.1850
41	.228	.0335	.0310	.0216	.3881	.7157	.2473
42	.233	.0289	.0266	.0172	.3639	.6708	.2317
43	.239	.0193	.0174	.0080	.1978	.3645	.1259
44	.244	.0190	.0119	.0025	.0639	.1178	.0390
45	.250	.0107	.0107	.0013	.0439	.0810	.0280
46	.256	.0113	.0111	.0017	.0689	.1270	.0439
47	.261	.0110	.0113	.0019	.0948	.1747	.0603
48	.267	.0120	.0120	.0026	.1568	.2890	.0998
49	.272	.0132	.0126	.0032	.2299	.4237	.1464
50	.278	.0121	.0117	.0023	.1981	.3651	.1261
51	.283	.0094	.0097	.0003	.0355	.0654	.0226
52	.289	.0081	.0087	.0000	.0000	.0000	.0000
53	.294	.0092	.0091	.0000	.0000	.0000	.0000
54	.300	.0098	.0095	.0001	.0001	.0002	.0001
55	.306	.0093	.0096	.0002	.0002	.0003	.0001
56	.311	.0100	.0101	.0007	.0007	.0014	.0005
57	.317	.0113	.0106	.0012	.0012	.0022	.0008
58	.322	.0098	.0098	.0004	.0004	.0007	.0002
59	.328	.0082	.0086	.0000	.0000	.0000	.0000
60	.333	.0084	.0083	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 6/11/55 AV. T= 7.1 RECORD = JMC109
HOUR = 0 SIG.HGT. = 14.9 UPPER HGT. = 19.7
TOTAL OF =266 CORR. VAR. = 15.2 LOWER HGT. = 10.4
NOISE LEVEL = .0000 WIND SPEED = 20

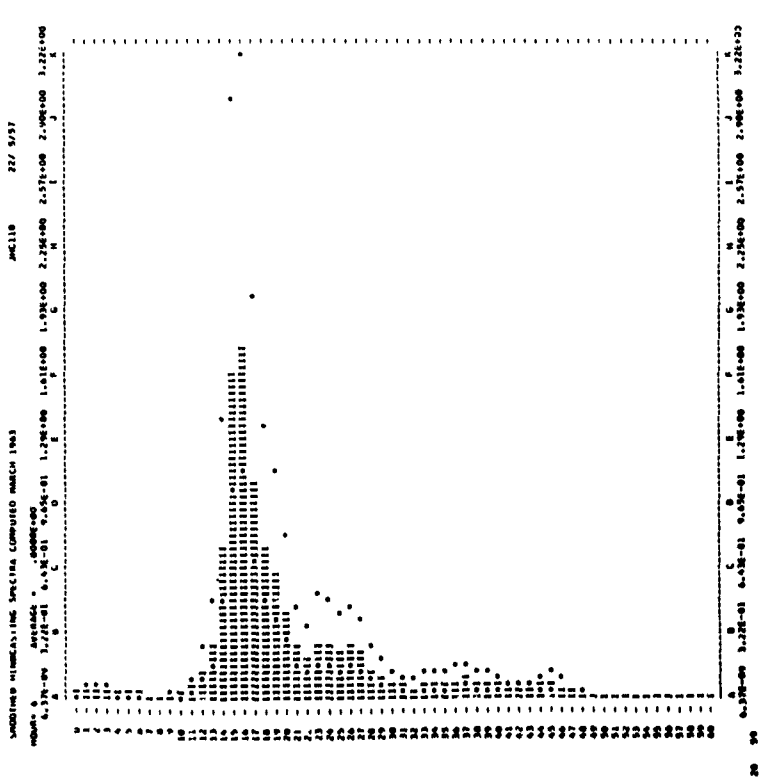
M	FRs. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1316	.1316	.1266	.1266	.2334	.0886
1	.006	.1178	.1178	.1128	.1128	.2068	.0718
2	.011	.0942	.0942	.0892	.0892	.1645	.0560
3	.017	.0792	.0792	.0742	.0742	.1368	.0473
4	.022	.0839	.0839	.0689	.0689	.0962	.0512
5	.028	.0278	.0278	.0228	.0228	.0426	.0160
6	.033	.0172	.0172	.0122	.0198	.0364	.0126
7	.039	.0116	.0116	.0066	.0083	.0153	.0055
8	.044	.0108	.0108	.0058	.0073	.0134	.0046
9	.050	.0132	.0132	.0082	.0097	.0178	.0062
10	.056	.0196	.0196	.0186	.0121	.0223	.0077
11	.061	.0257	.0257	.0207	.0234	.0432	.0149
12	.067	.0674	.0674	.0626	.0708	.1305	.0451
13	.072	.2934	.2934	.2684	.2869	.5287	.1827
14	.078	.5000	.5000	.4950	.5076	1.0831	.3742
15	.083	.5047	.5047	.4997	.8149	1.1333	.3915
16	.089	.6073	.6073	.6023	.8765	1.6185	.5591
17	.094	1.1061	1.1061	1.1011	1.5680	2.8901	.9984
18	.100	.9993	.9993	.9943	1.4196	2.6166	.9039
19	.106	.4333	.4333	.4283	.6508	1.1995	.4144
20	.111	.2674	.2674	.2624	.4262	.7856	.2714
21	.117	.2795	.2795	.2709	.4719	.8698	.3006
22	.122	.2381	.2381	.2331	.4590	.8091	.2795
23	.128	.2163	.2163	.2113	.4314	.7952	.2747
24	.133	.1871	.1871	.1821	.4051	.7467	.2580
25	.139	.1272	.1272	.1222	.2976	.5486	.1895
26	.144	.0799	.0799	.0749	.2006	.3697	.1277
27	.150	.0711	.0711	.0661	.1953	.3599	.1243
28	.156	.0790	.0790	.0740	.2423	.4466	.1543
29	.161	.0794	.0794	.0744	.2711	.4996	.1726
30	.167	.0614	.0614	.0564	.2298	.4235	.1463
31	.172	.0415	.0415	.0365	.1468	.3075	.1062
32	.178	.0332	.0332	.0282	.1454	.2680	.0926
33	.183	.0268	.0268	.0218	.1271	.2342	.0809
34	.189	.0199	.0199	.0149	.0988	.1821	.0629
35	.194	.0173	.0173	.0123	.0930	.1714	.0592
36	.200	.0176	.0176	.012;	.1091	.2011	.0695
37	.206	.0188	.0188	.0138	.1372	.2529	.0874
38	.211	.0212	.0212	.0162	.1859	.3426	.1183
39	.217	.0205	.0205	.0155	.2042	.3800	.1313
40	.222	.0189	.0193	.0144	.2215	.4083	.1411
41	.228	.0190	.0192	.0142	.2555	.4709	.1627
42	.233	.0197	.0192	.0162	.3011	.5549	.1917
43	.239	.0185	.0174	.0124	.3089	.5694	.1967
44	.244	.0129	.0132	.0083	.2433	.4484	.1549
45	.250	.0087	.0095	.0045	.1578	.2911	.1006
46	.256	.0077	.0074	.0024	.1080	.1843	.0637
47	.261	.0094	.0095	.0006	.0278	.0514	.0177
48	.267	.0036	.0044	.0000	.0000	.0000	.0000
49	.272	.0049	.0054	.0005	.0331	.0610	.0211
50	.278	.0083	.0078	.0028	.0028	.0048	.0016
51	.283	.0087	.0077	.0028	.0028	.0051	.0018
52	.289	.0053	.0058	.0008	.0008	.0015	.0005
53	.294	.0039	.0041	.0000	.0000	.0000	.0000
54	.300	.0035	.0035	.0000	.0000	.0000	.0000
55	.306	.0030	.0031	.0000	.0000	.0000	.0000
56	.311	.0029	.0031	.0000	.0000	.0000	.0000
57	.317	.0044	.0044	.0000	.0000	.0000	.0000
58	.322	.0058	.0095	.0009	.0005	.0010	.0003
59	.328	.0060	.0060	.0011	.0011	.0020	.0007
60	.333	.0063	.0061	.0012	.0012	.0022	.0008



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 22/ 5/57 AV. T= 8.6 RECORD = JMC110
HOUR = 6 SIG.HGT. = 13.0 UPPER HGT. = 16.6
TOTAL OF =123 CORR. VAR. = 10.6 LOWER HGT. = 11.7
NOISE LEVEL = .0021 WIND SPEED = 15

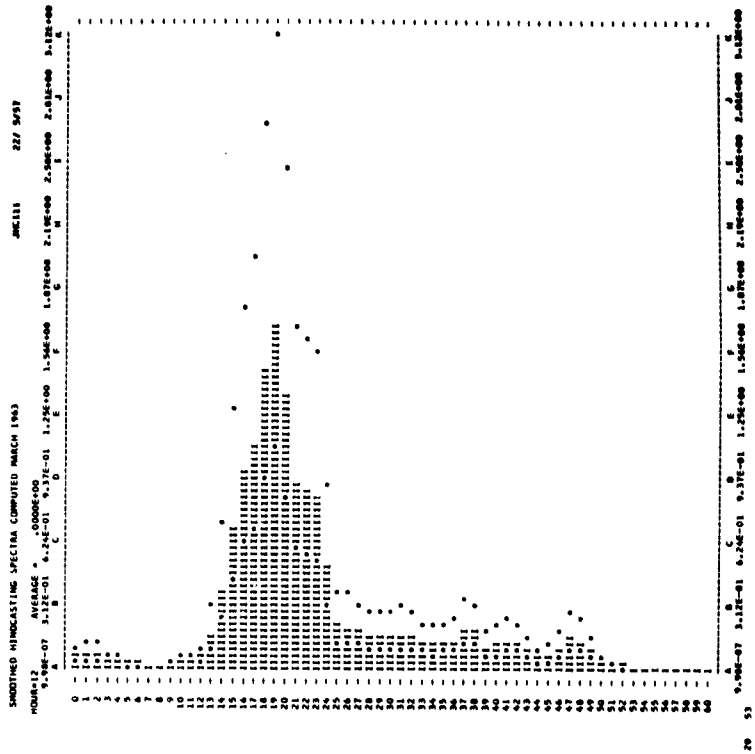
M	FRs. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0212	.0212	.0191	.0191	.0353	.0122
1	.006	.0339	.0339	.0318	.0318	.0587	.0203
2	.011	.0400	.0400	.0379	.0379	.0699	.0242
3	.017	.0283	.0283	.0262	.0262	.0484	.0167
4	.022	.0270	.0270	.0249	.0249	.0460	.0159
5	.028	.0257	.0257	.0236	.0236	.0436	.0151
6	.033	.0127	.0127	.0106	.0172	.0317	.0110
7	.039	.0051	.0051	.0030	.0042	.0077	.0027
8	.044	.0054	.0054	.0033	.0042	.0077	.0027
9	.050	.0099	.0098	.0078	.0092	.0170	.0059
10	.056	.0179	.0179	.0158	.0181	.0333	.0115
11	.061	.0520	.0520	.0499	.0564	.1039	.0359
12	.067	.1296	.1296	.1275	.1447	.2667	.0921
13	.072	.2315	.2315	.2294	.2649	.4883	.1687
14	.078	.6296	.6296	.6275	.7449	1.3730	.4743
15	.083	1.3175	1.3175	1.3154	1.6185	2.9832	1.0306
16	.089	1.3609	1.3609	1.3588	1.7454	3.2171	1.1114
17	.094	.8001	.8001	.7980	1.0777	1.9863	.6862
18	.100	.5156	.5156	.5135	.7332	1.3514	.4669
19	.106	.4074	.4074	.4053	.6158	1.1351	.3921
20	.111	.2666	.2666	.2645	.4296	.7919	.2736
21	.117	.1445	.1445	.1424	.2485	.4580	.1582
22	.122	.1016	.1016	.0995	.1876	.3456	.1193
23	.128	.1358	.1358	.1337	.2730	.5033	.1739
24	.133	.1236	.1236	.1215	.2704	.4983	.1721
25	.139	.0945	.0945	.0924	.2251	.4149	.1433
26	.144	.0925	.0925	.0904	.2421	.4462	.1541
27	.150	.0759	.0759	.0736	.2160	.3997	.1381
28	.156	.0456	.0456	.0435	.1425	.2627	.0907
29	.161	.0308	.0308	.0287	.1047	.1929	.0666
30	.167	.0207	.0207	.0186	.0759	.1399	.0483
31	.172	.0130	.0130	.0109	.0900	.0921	.0318
32	.178	.0109	.0109	.0088	.0455	.0839	.0290
33	.183	.0127	.0127	.0106	.0619	.1142	.0394
34	.189	.0131	.0131	.0110	.0730	.1346	.0465
35	.194	.0110	.0110	.0089	.0674	.1243	.0429
36	.200	.0113	.0113	.0092	.0748	.1471	.0508
37	.206	.0107	.0107	.0086	.0857	.1580	.0546
38	.211	.0079	.0079	.0058	.0669	.1233	.0426
39	.217	.0070	.0070	.0049	.0696	.1209	.0418
40	.222	.0059	.0058	.0037	.0576	.1058	.0365
41	.228	.0043	.0044	.0024	.0431	.0795	.0275
42	.233	.0033	.0035	.0015	.0316	.0582	.0201
43	.239	.0033	.0035	.0015	.0365	.0673	.0232
44	.244	.0042	.0039	.0019	.0586	.1079	.0374
45	.250	.0041	.0038	.0018	.0625	.1152	.0398
46	.256	.0030	.0031	.0011	.0494	.0837	.0289
47	.261	.0025	.0026	.0005	.0258	.0475	.0164
48	.267	.0023	.0022	.0002	.0116	.0214	.0074
49	.272	.0019	.0020	.0000	.0000	.0000	.0000
50	.278	.0015	.0016	.0000	.0000	.0000	.0000
51	.283	.0016	.0017	.0000	.0000	.0000	.0000
52	.289	.0023	.0020	.0000	.0000	.0000	.0000
53	.294	.0020	.0020	.0000	.0000	.0000	.0000
54	.300	.0018	.0020	.0000	.0000	.0000	.0000
55	.306	.0023	.0022	.0002	.0002	.0004	.0001
56	.311	.0026	.0025	.0004	.0004	.0008	.0003
57	.317	.0024	.0023	.0003	.0003	.0005	.0002
58	.322	.0019	.0020	.0000	.0000	.0000	.0000
59	.328	.0018	.0018	.0000	.0000	.0000	.0000
60	.333	.0019	.0018	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 22/ 5/57 AV. T= 7.6 RECORD = JMC111
HOUR = 12 SIG.HGT. = 15.4 UPPER HGT. = 16.8
TOTAL DF =172 CORR. VAR. = 14.0 LOWER HGT. = 14.1
NOISE LEVEL = .0020 WIND SPEED = 20

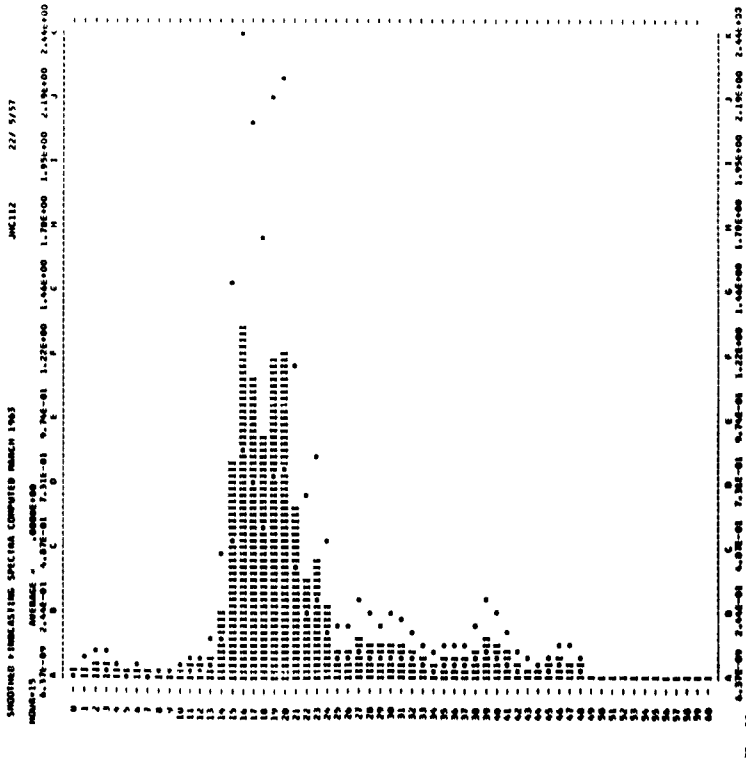
N	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0000	.0000	.0000	.0000	.0000	.0000
1	.006	.0669	.0669	.0669	.0669	.1847	.0362
2	.011	.0684	.0684	.0634	.0634	.1233	.0426
3	.017	.0462	.0462	.0422	.0422	.1169	.0404
4	.022	.0337	.0337	.0317	.0317	.0778	.0269
5	.028	.0225	.0225	.0205	.0205	.0584	.0202
6	.033	.0117	.0117	.0097	.0157	.0370	.0131
7	.039	.0078	.0078	.0058	.0076	.0289	.0100
8	.044	.0078	.0078	.0058	.0078	.0139	.0048
9	.050	.0125	.0125	.0105	.0123	.0133	.0046
10	.056	.0252	.0252	.0232	.0264	.0227	.0079
11	.061	.0313	.0313	.0293	.0331	.0487	.0168
12	.067	.0443	.0446	.0426	.0483	.0610	.0211
13	.072	.1422	.1422	.1402	.1619	.0891	.0308
14	.078	.3232	.3232	.3212	.3813	.2984	.1031
15	.083	.5706	.5706	.5686	.6996	.7027	.2428
16	.089	.7403	.7403	.7463	.9516	1.2895	.4458
17	.094	.8148	.8148	.8128	1.0976	1.7660	.6104
18	.100	1.0197	1.0197	1.0177	1.4530	2.0230	.6989
19	.106	1.1170	1.1170	1.1150	1.6940	2.6780	.9252
20	.111	.8264	.8264	.8244	1.3389	3.1223	1.0786
21	.117	.5276	.5276	.5256	.9149	2.4678	.8525
22	.122	.4672	.4672	.4652	.8759	1.6899	.5838
23	.128	.4162	.4162	.4142	.8484	1.6144	.5577
24	.133	.2208	.2208	.2188	.4867	1.5585	.5384
25	.139	.0869	.0869	.0849	.2067	.8970	.3099
26	.144	.0795	.0795	.0735	.1987	.3810	.1316
27	.150	.0615	.0615	.0595	.1757	.5626	.1293
28	.156	.0482	.0482	.0462	.1512	.3238	.1118
29	.161	.0429	.0429	.0409	.1489	.2786	.0963
30	.167	.0387	.0387	.0367	.1494	.2765	.0948
31	.172	.0382	.0382	.0362	.1653	.2754	.0951
32	.178	.0315	.0315	.0295	.1519	.3046	.1052
33	.183	.0232	.0232	.0212	.1233	.2799	.0967
34	.189	.0199	.0199	.0179	.1184	.2273	.0785
35	.194	.0187	.0187	.0167	.1259	.2182	.0754
36	.200	.0179	.0179	.0159	.1373	.2320	.0801
37	.206	.0201	.0201	.0181	.1795	.2530	.0874
38	.211	.0171	.0171	.0151	.1728	.3308	.1143
39	.217	.0095	.0095	.0075	.0995	.3185	.1100
40	.222	.0089	.0095	.0075	.1164	.1834	.0633
41	.228	.0109	.0098	.0078	.1400	.2146	.0741
42	.233	.0084	.0080	.0060	.1266	.2580	.0891
43	.239	.0063	.0052	.0032	.0794	.2333	.0806
44	.244	.0038	.0039	.0019	.0564	.1464	.0506
45	.250	.0038	.0040	.0020	.0687	.1040	.0359
46	.256	.0045	.0046	.0026	.1087	.1265	.0437
47	.261	.0057	.0051	.0031	.1522	.2003	.0692
48	.267	.0044	.0043	.0023	.1396	.2806	.0969
49	.272	.0029	.0031	.0011	.0785	.2572	.0889
50	.278	.0022	.0023	.0003	.0279	.1447	.0500
51	.283	.0020	.0021	.0001	.0129	.0515	.0178
52	.289	.0023	.0021	.0001	.0157	.0237	.0082
53	.294	.0019	.0019	.0000	.0000	.0289	.0100
54	.300	.0014	.0016	.0000	.0000	.0000	.0000
55	.306	.0019	.0018	.0000	.0000	.0000	.0000
56	.311	.0020	.0018	.0000	.0000	.0000	.0000
57	.317	.0019	.0017	.0000	.0000	.0000	.0000
58	.322	.0019	.0019	.0000	.0000	.0000	.0000
59	.328	.0025	.0024	.0004	.0004	.0007	.0002
60	.333	.0026	.0029	.0009	.0009	.0010	.0003



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 22/ 5/57 AV. T= 8.0 RECORD = JMC112
HOUR = 15 SIG.HGT. = 13.3 UPPER HGT. = 14.7
TOTAL DF =144 CORR. VAR. = 11.1 LOWER HGT. = 12.1
NOISE LEVEL = .0019 WIND SPEED = 20

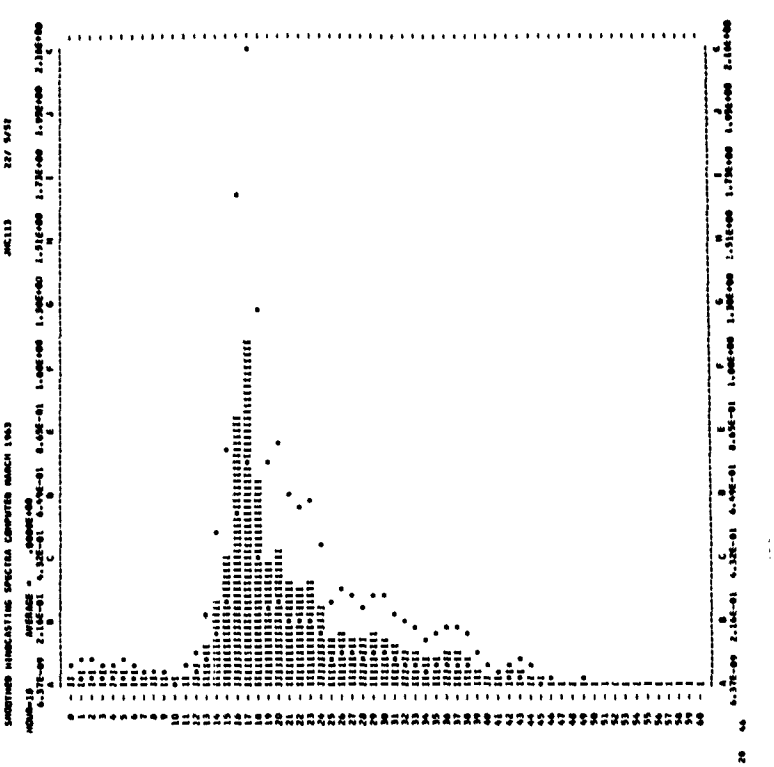
N	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0161	.0161	.0142	.0142	.0263	.0091
1	.006	.0379	.0379	.0360	.0360	.0664	.0229
2	.011	.0606	.0606	.0587	.0587	.1083	.0374
3	.017	.0488	.0488	.0469	.0469	.0865	.0299
4	.022	.0271	.0271	.0252	.0252	.0465	.0161
5	.028	.0189	.0189	.0170	.0170	.0314	.0109
6	.033	.0174	.0174	.0155	.0251	.0463	.0160
7	.039	.0128	.0128	.0109	.0150	.0277	.0096
8	.044	.0090	.0090	.0071	.0089	.0164	.0057
9	.050	.0087	.0087	.0068	.0080	.0148	.0051
10	.056	.0242	.0242	.0223	.0255	.0469	.0162
11	.061	.0381	.0381	.0362	.0409	.0754	.0261
12	.067	.0382	.0382	.0363	.0412	.0760	.0262
13	.072	.0659	.0659	.0640	.0739	.1363	.0471
14	.078	.2106	.2106	.2087	.2478	.4567	.1578
15	.083	.6623	.6623	.6604	.8126	1.4978	.5174
16	.089	1.0306	1.0306	1.0287	1.3214	2.4356	.8414
17	.094	.8395	.8395	.8376	1.1312	2.0849	.7202
18	.100	.6295	.6295	.6276	.8...	1.6516	.5706
19	.106	.7829	.7829	.7810	1.1066	2.1871	.7556
20	.111	.7570	.7570	.7551	1.2264	2.2605	.7809
21	.117	.3690	.3671	.3651	.6404	1.1804	.4078
22	.122	.1987	.1987	.1968	.3706	.6831	.2360
23	.128	.2216	.2216	.2197	.4486	.8268	.2856
24	.133	.1267	.1267	.1248	.2777	.5118	.1768
25	.139	.0453	.0451	.0432	.1053	.1941	.0670
26	.144	.0408	.0408	.0389	.1042	.1921	.0664
27	.150	.0540	.0540	.0521	.1539	.2837	.0980
28	.156	.0415	.0415	.0396	.1297	.2391	.0826
29	.161	.0327	.0327	.0308	.1123	.2070	.0715
30	.167	.0336	.0336	.0317	.1292	.2382	.0823
31	.172	.0279	.0279	.0260	.1189	.2191	.0757
32	.178	.0206	.0206	.0187	.0963	.1779	.0614
33	.183	.0136	.0136	.0117	.0683	.1259	.0435
34	.189	.0104	.0104	.0085	.0565	.1041	.0360
35	.194	.0102	.0102	.0083	.0629	.1159	.0400
36	.200	.0100	.0100	.0081	.0703	.1296	.0448
37	.206	.0090	.0090	.0071	.0708	.1306	.0451
38	.211	.0108	.0108	.0089	.1024	.1887	.0652
39	.217	.0137	.0137	.0118	.1571	.2896	.1001
40	.222	.0109	.0104	.0085	.1318	.2429	.0839
41	.228	.0069	.0067	.0049	.0881	.1624	.0561
42	.233	.0059	.0062	.0024	.0505	.0931	.0322
43	.239	.0031	.0032	.0013	.0333	.0619	.0212
44	.244	.0027	.0029	.0011	.0313	.0578	.0200
45	.250	.0032	.0032	.0013	.0459	.0845	.0292
46	.256	.0036	.0036	.0017	.0629	.1159	.0400
47	.261	.0031	.0031	.0012	.0603	.1112	.0384
48	.267	.0025	.0025	.0006	.0382	.0704	.0243
49	.272	.0019	.0019	.0000	.0030	.0056	.0019
50	.278	.0013	.0014	.0000	.0000	.0000	.0000
51	.283	.0013	.0016	.0000	.0000	.0000	.0000
52	.289	.0019	.0018	.0000	.0000	.0000	.0000
53	.294	.0022	.0022	.0003	.0003	.0006	.0002
54	.300	.0024	.0024	.0006	.0006	.0010	.0004
55	.306	.0027	.0026	.0007	.0007	.0013	.0005
56	.311	.0025	.0024	.0005	.0005	.0010	.0003
57	.317	.0018	.0019	.0000	.0000	.0000	.0000
58	.322	.0014	.0019	.0000	.0000	.0000	.0000
59	.328	.0010	.0012	.0000	.0000	.0000	.0000
60	.333	.0010	.0011	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 22/ 5/57 Av. T= 6.1 RECORD = JHC113
HOUR = 10 SIG.HGT. = 11.5 UPPER HGT. = 12.5
TOTAL DF =160 CORR. VAR. = 8.2 LOWER HGT. = 10.5
NOISE LEVEL = .0020 WIND SPEED = 20

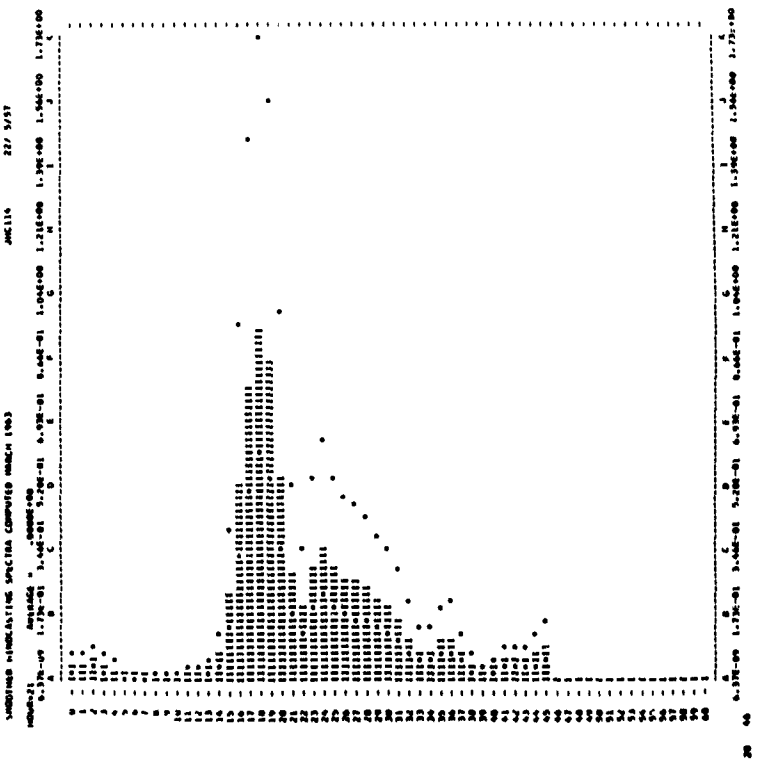
H	PRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0330	.0330	.0302	.0357	.0192
1	.006	.0426	.0426	.0438	.0607	.0279
2	.011	.0527	.0527	.0499	.0620	.0318
3	.017	.0383	.0383	.0395	.0654	.0226
4	.022	.0391	.0391	.0363	.0669	.0231
5	.028	.0446	.0446	.0416	.0767	.0265
6	.033	.0282	.0282	.0258	.0756	.0261
7	.039	.0204	.0204	.0176	.0262	.0146
8	.044	.0254	.0254	.0226	.0281	.0179
9	.050	.0223	.0199	.0229	.0422	.0146
10	.056	.0168	.0168	.0140	.0296	.0102
11	.061	.0313	.0313	.0285	.0522	.0208
12	.067	.0535	.0535	.0507	.0675	.0366
13	.072	.1131	.1131	.1105	.1274	.2348	.0811
14	.078	.2487	.2487	.2379	.2824	.5209	.1798
15	.083	.3561	.3561	.3533	.4347	.8012	.2746
16	.089	.7038	.7038	.7010	.9884	1.6596	.5733
17	.094	.8716	.8716	.8688	1.1732	2.1624	.7478
18	.100	.4848	.4848	.4812	.6870	1.4263	.3274
19	.106	.2763	.2763	.2738	.4159	.7659	.2644
20	.111	.2769	.2769	.2741	.4432	.8205	.2835
21	.117	.2871	.2871	.2843	.4564	.8469	.2266
22	.122	.1749	.1749	.1721	.3268	.5972	.2063
23	.128	.1699	.1699	.1671	.3411	.6288	.2172
24	.133	.1184	.1184	.1156	.2571	.4739	.1637
25	.139	.0654	.0654	.0626	.1924	.2810	.0971
26	.144	.0677	.0677	.0649	.1737	.3203	.1106
27	.150	.0569	.0569	.0541	.1597	.2944	.1017
28	.156	.0460	.0460	.0432	.1414	.2606	.0900
29	.161	.0487	.0487	.0459	.1671	.3081	.1064
30	.167	.0418	.0418	.0390	.1588	.2927	.1011
31	.172	.0322	.0322	.0294	.1342	.2474	.0855
32	.178	.0258	.0258	.0230	.1184	.2183	.0754
33	.183	.0200	.0200	.0172	.1001	.1845	.0637
34	.189	.0180	.0180	.0122	.0807	.1487	.0514
35	.194	.0146	.0146	.0118	.0898	.1440	.0567
36	.200	.0153	.0153	.0125	.1079	.1908	.0687
37	.206	.0136	.0136	.0108	.1071	.1975	.0682
38	.211	.0106	.0106	.0078	.0893	.1644	.0569
39	.217	.0068	.0068	.0040	.0931	.0979	.0338
40	.222	.0042	.0047	.0019	.0297	.0548	.0189
41	.228	.0037	.0041	.0013	.0239	.0441	.0152
42	.233	.0040	.0040	.0012	.0375	.0692	.0239
43	.239	.0044	.0044	.0016	.0441	.0814	.0281
44	.244	.0038	.0038	.0011	.0309	.0569	.0197
45	.250	.0030	.0032	.0006	.0149	.0256	.0089
46	.256	.0030	.0030	.0002	.0074	.0136	.0047
47	.261	.0029	.0029	.0001	.0073	.0135	.0047
48	.267	.0024	.0026	.0000	.0000	.0000	.0000
49	.272	.0029	.0029	.0001	.0073	.0135	.0047
50	.278	.0034	.0033	.0003	.0005	.0009	.0003
51	.283	.0035	.0034	.0004	.0008	.0014	.0005
52	.289	.0039	.0038	.0010	.0010	.0018	.0006
53	.294	.0039	.0038	.0010	.0010	.0018	.0006
54	.300	.0035	.0033	.0006	.0006	.0010	.0004
55	.306	.0025	.0025	.0000	.0000	.0000	.0000
56	.311	.0017	.0019	.0000	.0000	.0000	.0000
57	.317	.0019	.0019	.0000	.0000	.0000	.0000
58	.322	.0023	.0022	.0000	.0000	.0000	.0000
59	.328	.0024	.0024	.0000	.0000	.0000	.0000
60	.333	.0024	.0024	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 22/ 5/57 Av. T= 7.6 RECORD = JHC114
HOUR = 21 SIG.HGT. = 11.2 UPPER HGT. = 12.2
TOTAL DF =170 CORR. VAR. = 7.8 LOWER HGT. = 10.3
NOISE LEVEL = .0015 WIND SPEED = 20

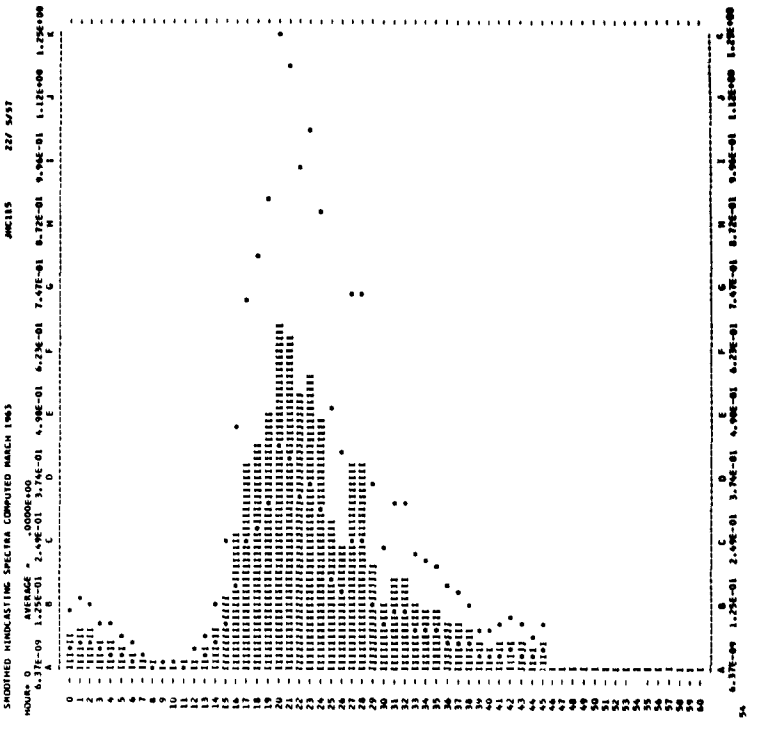
H	PRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0354	.0354	.0339	.0624	.0216
1	.006	.0436	.0436	.0421	.0774	.0268
2	.011	.0477	.0477	.0462	.0851	.0294
3	.017	.0406	.0406	.0391	.0720	.0249
4	.022	.0266	.0266	.0251	.0462	.0160
5	.028	.0129	.0129	.0114	.0210	.0072
6	.033	.0091	.0091	.0076	.0122	.0028
7	.039	.0082	.0082	.0067	.0092	.0169	.0058
8	.044	.0074	.0074	.0059	.0073	.0135	.0047
9	.050	.0059	.0059	.0044	.0051	.0094	.0033
10	.056	.0079	.0079	.0064	.0073	.0134	.0046
11	.061	.0141	.0141	.0126	.0142	.0262	.0090
12	.067	.0185	.0185	.0170	.0193	.0355	.0123
13	.072	.0261	.0261	.0246	.0284	.0525	.0181
14	.078	.0590	.0590	.0515	.0611	.1126	.0389
15	.083	.1788	.1788	.1773	.2181	.4020	.1389
16	.089	.4050	.4050	.4035	.5183	.9552	.3300
17	.094	.5845	.5845	.5830	.7873	1.4510	.5015
18	.100	.6597	.6597	.6582	.9397	1.7320	.5983
19	.106	.5578	.5578	.5563	.8452	1.5577	.5381
20	.111	.3306	.3306	.3291	.5345	.9851	.3403
21	.117	.1616	.1616	.1601	.2792	.5147	.1778
22	.122	.1032	.1032	.1017	.1915	.3528	.1219
23	.128	.1422	.1422	.1407	.2672	.5295	.1829
24	.133	.1569	.1569	.1554	.3496	.6370	.2201
25	.139	.1207	.1207	.1192	.2902	.5349	.1848
26	.144	.1010	.1010	.0995	.2662	.4907	.1695
27	.150	.0888	.0888	.0869	.2553	.4706	.1626
28	.156	.0735	.0735	.0720	.2355	.4341	.1500
29	.161	.0585	.0585	.0570	.2075	.3824	.1321
30	.167	.0474	.0474	.0459	.1868	.3443	.1189
31	.172	.0359	.0359	.0344	.1549	.2853	.0999
32	.178	.0229	.0229	.0214	.1101	.2029	.0701
33	.183	.0143	.0143	.0128	.0744	.1370	.0473
34	.189	.0126	.0126	.0111	.0733	.1350	.0466
35	.194	.0158	.0158	.0121	.1076	.1984	.0685
36	.200	.0144	.0144	.0129	.1112	.2049	.0708
37	.206	.0086	.0086	.0071	.0702	.1294	.0447
38	.211	.0047	.0047	.0032	.0344	.0634	.0232
39	.217	.0026	.0026	.0011	.0143	.0264	.0091
40	.222	.0033	.0034	.0019	.0297	.0548	.0189
41	.228	.0044	.0041	.0026	.0449	.0844	.0296
42	.233	.0040	.0039	.0024	.0512	.0944	.0326
43	.239	.0032	.0035	.0020	.0483	.0889	.0313
44	.244	.0036	.0037	.0022	.0639	.1178	.0407
45	.250	.0044	.0040	.0025	.0854	.1573	.0544
46	.256	.0035	.0034	.0019	.0819	.0834	.0812
47	.261	.0021	.0024	.0009	.0009	.0016	.0006
48	.267	.0019	.0020	.0005	.0005	.0008	.0003
49	.272	.0020	.0019	.0004	.0004	.0008	.0003
50	.278	.0019	.0019	.0004	.0004	.0008	.0003
51	.283	.0020	.0020	.0005	.0005	.0008	.0003
52	.289	.0020	.0020	.0005	.0005	.0008	.0003
53	.294	.0019	.0020	.0005	.0005	.0008	.0003
54	.300	.0021	.0019	.0004	.0004	.0008	.0003
55	.306	.0017	.0017	.0002	.0002	.0004	.0001
56	.311	.0014	.0015	.0000	.0000	.0000	.0000
57	.317	.0014	.0013	.0000	.0000	.0000	.0000
58	.322	.0010	.0010	.0000	.0000	.0000	.0000
59	.328	.0008	.0009	.0000	.0000	.0000	.0000
60	.333	.0010	.0009	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 22/ 5/57 Av. T= 7.4 RECORD = JMC115
HOUR = 0 SIG.HGT. = 11.4 UPPER HGT. = 12.3
TOTAL DF =211 CORR. VAR. = 8.1 LOWER HGT. = 10.5
NOISE LEVEL = .0019 WIND SPEED = 20

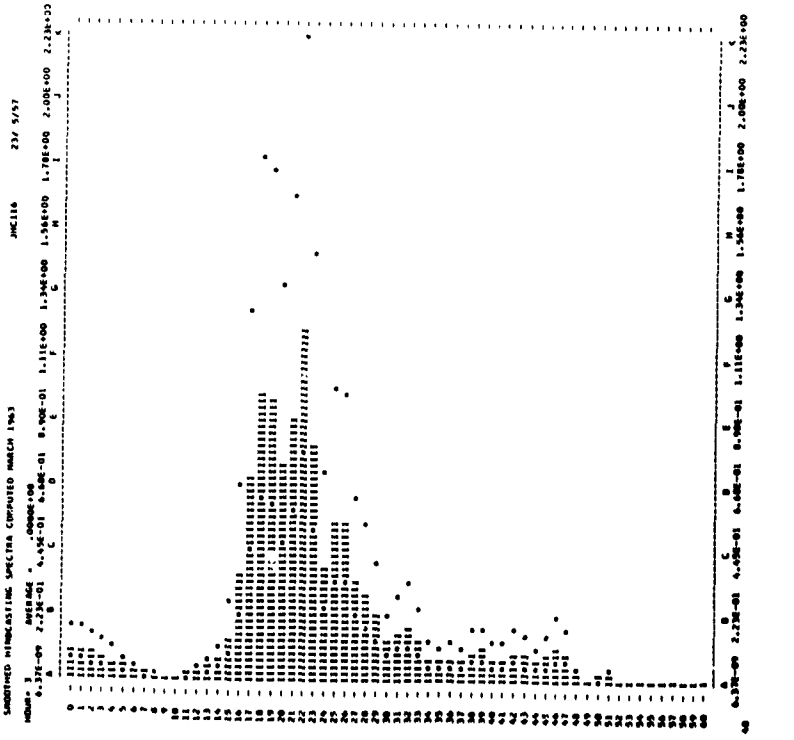
M	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0681	.0681	.0618	.0618	.1139	.0396
1	.006	.0784	.0784	.0791	.0791	.1386	.0478
2	.011	.0710	.0710	.0697	.0697	.1285	.0444
3	.017	.0519	.0519	.0506	.0506	.0933	.0322
4	.022	.0486	.0486	.0473	.0473	.0872	.0301
5	.028	.0344	.0344	.0331	.0331	.0610	.0211
6	.033	.0177	.0177	.0164	.0265	.0488	.0169
7	.039	.0102	.0102	.0089	.0122	.0225	.0078
8	.044	.0071	.0071	.0058	.0072	.0133	.0046
9	.050	.0053	.0053	.0040	.0047	.0087	.0030
10	.056	.0057	.0057	.0044	.0050	.0092	.0032
11	.061	.0094	.0094	.0081	.0091	.0169	.0058
12	.067	.0168	.0168	.0155	.0176	.0324	.0112
13	.072	.0334	.0334	.0321	.0371	.0683	.0236
14	.078	.0502	.0502	.0570	.0687	.1267	.0438
15	.083	.1113	.1113	.1100	.1393	.2498	.0862
16	.089	.2017	.2017	.2004	.2574	.4768	.1639
17	.094	.2933	.2933	.2920	.3963	.7268	.2511
18	.100	.3093	.3093	.3080	.4397	.8105	.2800
19	.106	.3319	.3319	.3306	.5023	.9258	.3198
20	.111	.4173	.4173	.4160	.6756	1.2693	.4382
21	.117	.3702	.3702	.3688	.6435	1.1861	.4098
22	.122	.2865	.2865	.2852	.5370	.9897	.3419
23	.128	.2839	.2839	.2826	.5769	1.0634	.3674
24	.133	.2200	.2200	.2187	.4865	.8966	.3097
25	.139	.1164	.1164	.1151	.2803	.5166	.1785
26	.144	.0879	.0879	.0866	.2318	.4272	.1476
27	.150	.1363	.1363	.1350	.3986	.7346	.2538
28	.156	.1232	.1232	.1219	.3989	.7353	.2540
29	.161	.0946	.0933	.0933	.1961	.3577	.1236
30	.167	.0326	.0326	.0313	.1274	.2349	.0811
31	.172	.0394	.0394	.0381	.1740	.3206	.1108
32	.178	.0354	.0354	.0341	.1756	.3236	.1118
33	.183	.0225	.0225	.0212	.1236	.2274	.0786
34	.189	.0187	.0187	.0174	.1151	.2121	.0733
35	.194	.0159	.0159	.0146	.1101	.2029	.0701
36	.200	.0112	.0112	.0099	.0855	.1576	.0544
37	.206	.0096	.0096	.0083	.0823	.1518	.0524
38	.211	.0074	.0074	.0061	.0698	.1287	.0445
39	.217	.0046	.0046	.0033	.0438	.0808	.0279
40	.222	.0037	.0040	.0027	.0417	.0768	.0265
41	.228	.0040	.0039	.0026	.0469	.0864	.0298
42	.233	.0039	.0037	.0026	.0512	.0944	.0326
43	.239	.0031	.0031	.0018	.0441	.0814	.0281
44	.244	.0022	.0025	.0013	.0368	.0678	.0234
45	.250	.0027	.0027	.0015	.0506	.0932	.0322
46	.256	.0034	.0031	.0018	.0018	.0033	.0011
47	.261	.0028	.0028	.0015	.0015	.0028	.0010
48	.267	.0022	.0023	.0010	.0010	.0018	.0006
49	.272	.0019	.0019	.0007	.0007	.0012	.0004
50	.278	.0018	.0018	.0005	.0005	.0009	.0003
51	.283	.0016	.0015	.0002	.0002	.0004	.0001
52	.289	.0010	.0011	.0000	.0000	.0000	.0000
53	.294	.0010	.0011	.0000	.0000	.0000	.0000
54	.300	.0014	.0014	.0001	.0001	.0002	.0001
55	.306	.0019	.0017	.0005	.0005	.0008	.0003
56	.311	.0018	.0016	.0004	.0004	.0006	.0002
57	.317	.0011	.0012	.0000	.0000	.0000	.0000
58	.322	.0010	.0010	.0000	.0000	.0000	.0000
59	.328	.0011	.0010	.0000	.0000	.0000	.0000
60	.333	.0010	.0010	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 23/ 5/57 Av. T= 7.3 RECORD = JMC116
HOUR = 3 SIG.HGT. = 13.6 UPPER HGT. = 14.8
TOTAL DF =185 CORR. VAR. = 11.5 LOWER HGT. = 12.5
NOISE LEVEL = .0022 WIND SPEED = 30

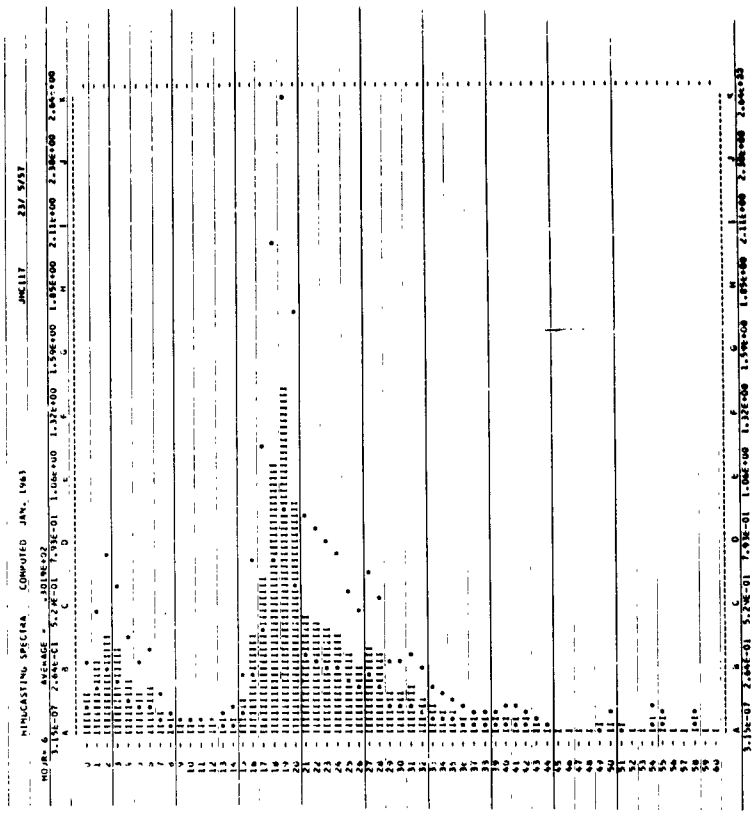
M	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1001	.1001	.0979	.0979	.1805	.0623
1	.006	.0999	.0999	.0977	.0977	.1801	.0622
2	.011	.0882	.0882	.0860	.0860	.1585	.0548
3	.017	.0693	.0693	.0671	.0671	.1237	.0427
4	.022	.0568	.0568	.0544	.0544	.1007	.0348
5	.028	.0377	.0377	.0355	.0355	.0655	.0226
6	.033	.0179	.0179	.0157	.0254	.0468	.0162
7	.039	.0110	.0110	.0088	.0121	.0223	.0077
8	.044	.0082	.0082	.0060	.0079	.0138	.0048
9	.050	.0049	.0049	.0027	.0032	.0059	.0020
10	.056	.0066	.0066	.0044	.0050	.0093	.0032
11	.061	.0142	.0142	.0120	.0136	.0250	.0086
12	.067	.0202	.0202	.0180	.0204	.0377	.0130
13	.072	.0357	.0357	.0335	.0387	.0713	.0246
14	.078	.0527	.0527	.0505	.0600	.1105	.0382
15	.083	.1162	.1162	.1140	.1403	.2584	.0893
16	.089	.2838	.2838	.2813	.3614	.6660	.2301
17	.094	.5110	.5110	.5088	.6871	1.2666	.4375
18	.100	.6847	.6847	.6825	.9744	1.7960	.6205
19	.106	.6337	.6315	.6315	.9595	1.7684	.6109
20	.111	.4523	.4523	.4501	.7310	1.3474	.4655
21	.117	.5168	.5189	.5167	.9014	1.6613	.5739
22	.122	.6436	.6436	.6414	1.2077	2.2254	.7690
23	.128	.3949	.3949	.3927	.8017	1.4777	.5105
24	.133	.1758	.1758	.1736	.3862	.7118	.2459
25	.139	.2242	.2242	.2220	.5406	.9966	.3442
26	.144	.1994	.1994	.1972	.5279	.9729	.3361
27	.150	.1172	.1172	.1150	.3396	.6259	.2162
28	.156	.0922	.0922	.0900	.2966	.5630	.1876
29	.161	.0809	.0809	.0787	.2138	.3941	.1361
30	.167	.0328	.0328	.0306	.1247	.2298	.0794
31	.172	.0371	.0371	.0349	.1594	.2938	.1015
32	.178	.0381	.0381	.0361	.1860	.3428	.1184
33	.183	.0245	.0245	.0223	.1299	.2396	.0827
34	.189	.0127	.0127	.0105	.0696	.1282	.0443
35	.194	.0109	.0109	.0087	.0657	.1211	.0418
36	.200	.0101	.0101	.0079	.0684	.1260	.0435
37	.206	.0087	.0087	.0065	.0644	.1191	.0412
38	.211	.0109	.0109	.0087	.0999	.1839	.0635
39	.217	.0098	.0098	.0076	.1011	.1863	.0644
40	.222	.0058	.0068	.0047	.0720	.1327	.0458
41	.228	.0060	.0063	.0041	.0737	.1358	.0469
42	.233	.0073	.0069	.0043	.0917	.1690	.0584
43	.239	.0055	.0055	.0033	.0824	.1519	.0525
44	.244	.0037	.0043	.0021	.0622	.1146	.0396
45	.250	.0043	.0045	.0023	.0815	.1503	.0519
46	.256	.0058	.0051	.0029	.1199	.2210	.0765
47	.261	.0048	.0047	.0025	.1077	.1985	.0687
48	.267	.0021	.0027	.0005	.0293	.0540	.0186
49	.272	.0021	.0022	.0000	.0013	.0023	.0008
50	.278	.0029	.0024	.0002	.0107	.0197	.0068
51	.283	.0024	.0024	.0002	.0373	.0687	.0237
52	.289	.0022	.0022	.0000	.0000	.0000	.0000
53	.294	.0019	.0021	.0000	.0000	.0000	.0000
54	.300	.0023	.0023	.0001	.0001	.0003	.0001
55	.306	.0026	.0026	.0005	.0004	.0007	.0003
56	.311	.0027	.0027	.0005	.0005	.0010	.0003
57	.317	.0027	.0026	.0004	.0004	.0008	.0003
58	.322	.0023	.0022	.0000	.0000	.0000	.0000
59	.328	.0016	.0015	.0000	.0000	.0000	.0000
60	.333	.0010	.0012	.0000	.0000	.0000	.0000



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 23/ 5/57 AV. T= 8.1 RECORD = JMC117
HOUR = 6 SIG.HGT. = 13.6 UPPER HGT. = 14.6
TOTAL DF =197 CORR. VAR. = 11.3 LOWER HGT. = 12.6
NOISE LEVEL = .0022 WIND SPEED = 25

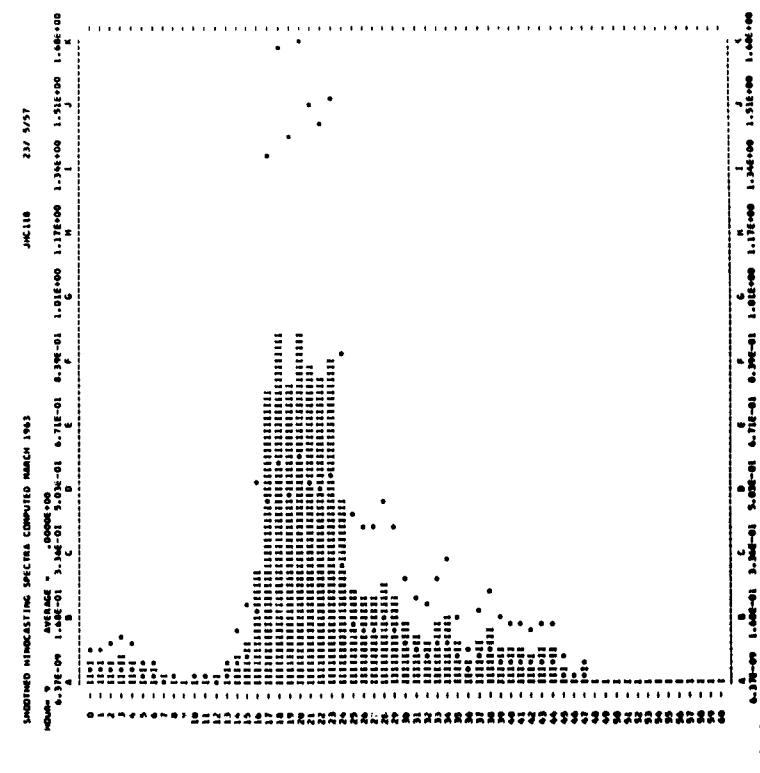
M	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1869	.1869	.1847	.3038	.1049
1	.006	.2812	.2812	.2790	.5142	.1776
2	.011	.4013	.4013	.3981	.7357	.2561
3	.017	.3329	.3329	.3307	.6096	.2106
4	.022	.2159	.2159	.2137	.3939	.1361
5	.028	.1584	.1584	.1562	.2907	.1021
6	.033	.1179	.1179	.1193	.1844	.3435	.1187
7	.039	.0685	.0685	.0663	.0911	.1679	.0580
8	.044	.0390	.0390	.0369	.0459	.0846	.0292
9	.050	.0304	.0304	.0282	.0331	.0610	.0211
10	.056	.0268	.0268	.0246	.0280	.0516	.0178
11	.061	.0242	.0242	.0221	.0249	.0459	.0159
12	.067	.0268	.0268	.0246	.0280	.0515	.0178
13	.072	.0448	.0448	.0427	.0493	.0908	.0314
14	.078	.0510	.0510	.0489	.0580	.1067	.0369
15	.083	.1078	.1078	.1056	.1300	.2396	.0828
16	.089	.2011	.3031	.3009	.3865	.7125	.2461
17	.094	.4703	.4703	.4712	.6447	1.1874	.4104
18	.100	.7750	.7750	.7728	1.1036	2.0337	.7026
19	.106	.9460	.9460	.9439	1.4360	2.6431	.9131
20	.111	.9844	.9844	.9823	.9456	1.7429	.6021
21	.117	.2824	.2824	.2802	.4808	.9009	.3112
22	.122	.2451	.2451	.2429	.4573	.8429	.2912
23	.128	.2139	.2139	.2117	.4321	.7965	.2752
24	.133	.1857	.1857	.1835	.4082	.7524	.2599
25	.139	.1535	.1535	.1513	.3598	.5895	.2036
26	.144	.1051	.1051	.1030	.2756	.5079	.1755
27	.150	.1225	.1225	.1203	.3552	.6547	.2262
28	.156	.0957	.0957	.0935	.3061	.5643	.1949
29	.161	.0472	.0472	.0450	.1840	.3023	.1044
30	.167	.0409	.0409	.0373	.1541	.2840	.0981
31	.172	.0410	.0410	.0369	.1774	.3269	.1129
32	.178	.0298	.0298	.0277	.1424	.2625	.0907
33	.183	.0187	.0187	.0165	.0958	.1766	.0610
34	.189	.0143	.0143	.0121	.0801	.1477	.0510
35	.194	.0114	.0114	.0093	.0698	.1287	.0445
36	.200	.0089	.0089	.0067	.0580	.1069	.0369
37	.206	.0070	.0070	.0048	.0478	.0882	.0305
38	.211	.0058	.0058	.0037	.0420	.0774	.0267
39	.217	.0059	.0059	.0037	.0495	.0912	.0315
40	.222	.0060	.0053	.0037	.0570	.1051	.0363
41	.228	.0056	.0054	.0033	.0570	.1051	.0369
42	.233	.0048	.0048	.0022	.0434	.0837	.0289
43	.239	.0029	.0031	.0009	.0234	.0431	.0149
44	.244	.0023	.0025	.0003	.0083	.0153	.0053
45	.250	.0024	.0023	.0001	.0048	.0088	.0031
46	.256	.0022	.0022	.0000	.0008	.0015	.0005
47	.261	.0020	.0021	.0000	.0000	.0000	.0000
48	.267	.0020	.0021	.0000	.0000	.0000	.0000
49	.272	.0024	.0024	.0002	.0139	.0256	.0089
50	.278	.0028	.0026	.0004	.0367	.0676	.0233
51	.283	.0025	.0023	.0002	.0167	.0308	.0106
52	.289	.0016	.0019	.0000	.0000	.0000	.0000
53	.294	.0019	.0021	.0000	.0000	.0000	.0000
54	.300	.0029	.0025	.0004	.0619	.1141	.0394
55	.306	.0026	.0024	.0002	.0448	.0827	.0286
56	.311	.0018	.0021	.0000	.0000	.0000	.0000
57	.317	.0023	.0022	.0000	.0047	.0087	.0030
58	.322	.0024	.0023	.0001	.0214	.0394	.0136
59	.328	.0020	.0021	.0000	.0000	.0000	.0000
60	.333	.0020	.0020	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 23/ 5/57 AV. T= 7.4 RECORD = JMC118
HOUR = 9 SIG.HGT. = 12.6 UPPER HGT. = 13.7
TOTAL DF =175 CORR. VAR. = 9.9 LOWER HGT. = 11.5
NOISE LEVEL = .0021 WIND SPEED = 20

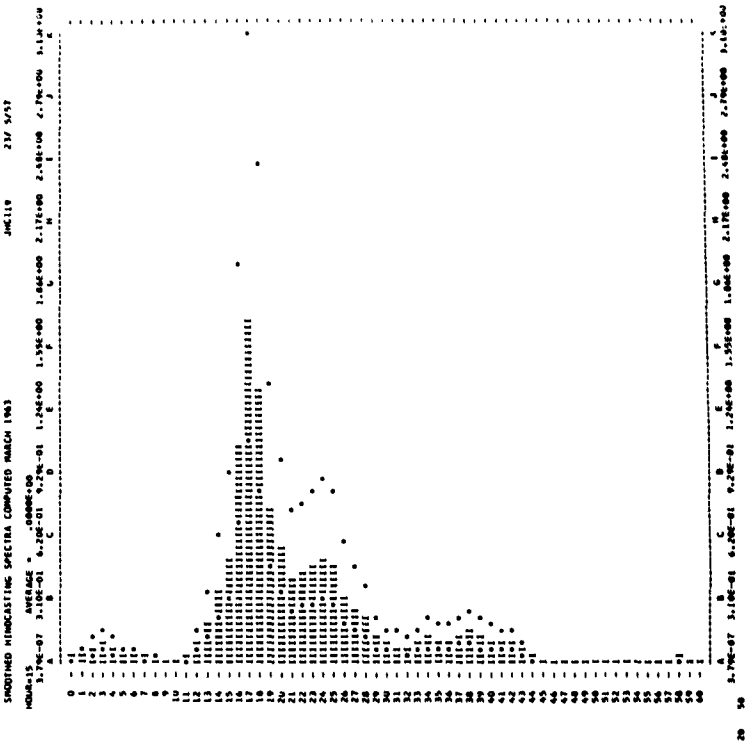
M	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0482	.0482	.0461	.0850	.0294
1	.006	.0476	.0476	.0455	.0839	.0290
2	.011	.0554	.0554	.0533	.0983	.0340
3	.017	.0649	.0649	.0628	.1158	.0400
4	.022	.0536	.0536	.0515	.0950	.0328
5	.028	.0330	.0330	.0309	.0570	.0197
6	.033	.0197	.0197	.0176	.0325	.0525	.0181
7	.039	.0112	.0112	.0091	.0126	.0231	.0080
8	.044	.0069	.0069	.0048	.0060	.0111	.0038
9	.050	.0052	.0052	.0031	.0037	.0068	.0023
10	.056	.0070	.0070	.0049	.0056	.0104	.0036
11	.061	.0083	.0083	.0062	.0070	.0130	.0045
12	.067	.0099	.0099	.0078	.0089	.0164	.0057
13	.072	.0279	.0279	.0258	.0298	.0550	.0190
14	.078	.0643	.0643	.0622	.0739	.1362	.0470
15	.083	.0883	.0883	.0862	.1061	.1956	.0676
16	.089	.2215	.2215	.2194	.2819	.5195	.1795
17	.094	.5582	.5582	.5561	.7510	1.3842	.4782
18	.100	.6322	.6322	.6301	.8996	1.6582	.5728
19	.106	.5138	.5138	.5117	.7779	1.4330	.4951
20	.111	.5627	.5627	.5606	.9105	1.6782	.5798
21	.117	.4727	.4727	.4706	.8210	1.5132	.5227
22	.122	.4244	.4244	.4223	.7952	1.4656	.5063
23	.128	.4099	.4099	.4078	.8326	1.5346	.5301
24	.133	.2122	.2122	.2101	.4674	.8615	.2978
25	.139	.1006	.1006	.0985	.2349	.4422	.1528
26	.144	.0822	.0822	.0801	.2145	.3953	.1366
27	.150	.0752	.0752	.0731	.2139	.3940	.1375
28	.156	.0808	.0808	.0787	.2577	.4749	.1641
29	.161	.0625	.0625	.0604	.2201	.4056	.1401
30	.167	.0384	.0384	.0363	.1479	.2727	.0942
31	.172	.0281	.0281	.0260	.1189	.2191	.0757
32	.178	.0231	.0231	.0210	.1083	.1996	.0690
33	.183	.0272	.0272	.0251	.1463	.2696	.0931
34	.189	.0277	.0277	.0256	.1695	.3125	.1080
35	.194	.0145	.0145	.0124	.0937	.1728	.0597
36	.200	.0075	.0075	.0054	.0469	.0865	.0299
37	.206	.0122	.0122	.0101	.1005	.1853	.0640
38	.211	.0135	.0135	.0114	.1309	.2412	.0833
39	.217	.0090	.0090	.0069	.0920	.1696	.0586
40	.222	.0070	.0074	.0054	.0827	.1524	.0526
41	.228	.0067	.0064	.0043	.0776	.1431	.0496
42	.233	.0051	.0056	.0035	.0746	.1375	.0475
43	.239	.0055	.0054	.0033	.0822	.1515	.0523
44	.244	.0054	.0048	.0027	.0795	.1466	.0506
45	.250	.0028	.0051	.0030	.0378	.0696	.0240
46	.256	.0016	.0022	.0001	.0046	.0084	.0029
47	.261	.0027	.0026	.0006	.0290	.0534	.0185
48	.267	.0036	.0032	.0012	.0402	.0821	.0007
49	.272	.0030	.0031	.0012	.0402	.0019	.0006
50	.278	.0027	.0027	.0007	.0007	.0012	.0004
51	.283	.0025	.0024	.0004	.0004	.0007	.0002
52	.289	.0021	.0022	.0002	.0002	.0003	.0001
53	.294	.0019	.0021	.0001	.0001	.0002	.0001
54	.300	.0019	.0021	.0000	.0000	.0001	.0000
55	.306	.0023	.0024	.0003	.0003	.0006	.0002
56	.311	.0031	.0027	.0007	.0007	.0012	.0004
57	.317	.0024	.0024	.0003	.0003	.0006	.0002
58	.322	.0017	.0018	.0000	.0000	.0000	.0000
59	.328	.0013	.0013	.0000	.0000	.0000	.0000
60	.333	.0009	.0011	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 23/ 5/57 — AV. T= 8.0 — RECORD = JMC119
HOUR = 15 — SIG.HGT. = 13.5 — UPPER HGT. = 14.8
TOTAL OF =199 — CORR. VAR. = 11.4 — LOWER HGT. = 12.3
NOISE LEVEL = .0070 — WIND SPEED = 15

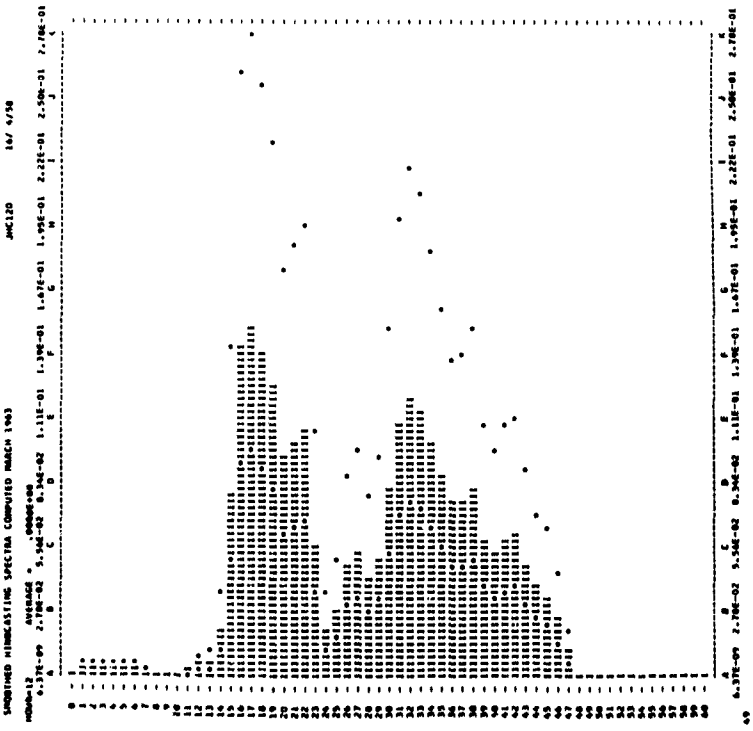
M	FRQ.	UNIT=FT.2 FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0247	.0247	.0227	.0418	.0144
1	.006	.0365	.0365	.0345	.0635	.0219
2	.011	.0689	.0689	.0669	.1232	.0426
3	.017	.0892	.0892	.0872	.1607	.0555
4	.022	.0677	.0677	.0657	.1210	.0418
5	.028	.0370	.0370	.0350	.0645	.0223
6	.033	.0240	.0240	.0220	.0455	.0026
7	.039	.0173	.0173	.0153	.0287	.0136
8	.044	.0100	.0100	.0080	.0149	.0063
9	.050	.0050	.0050	.0030	.0035	.0064
10	.056	.0047	.0047	.0027	.0030	.0056
11	.061	.0223	.0223	.0203	.0378	.0122
12	.067	.0794	.0794	.0774	.1432	.0530
13	.072	.1563	.1563	.1543	.2781	.1134
14	.078	.2837	.2837	.2817	.5043	.2129
15	.083	.4170	.4170	.4150	.7406	.3251
16	.089	.5314	.5294	1.0653	1.9035	.6783
17	.094	1.2466	1.2466	1.2446	1.6807	1.0701
18	.100	.9282	.9262	1.3223	2.4372	.8620
19	.106	.4890	.4890	.4870	.7398	1.3637
20	.111	.3378	.3358	.5453	1.0051	.3677
21	.117	.2367	.2367	.4094	.7545	.2607
22	.122	.2278	.2278	.4251	.7835	.2707
23	.128	.2276	.2276	.4605	.8488	.2932
24	.133	.2240	.2220	.4937	.9100	.3144
25	.139	.1882	.1882	.4533	.8355	.2886
26	.144	.1186	.1166	.3120	.5750	.1987
27	.150	.0880	.0860	.2538	.4678	.1616
28	.156	.0660	.0640	.2093	.3858	.1333
29	.161	.0350	.0330	.1200	.2213	.0764
30	.167	.0218	.0218	.0804	.1483	.0512
31	.172	.0189	.0189	.0770	.1419	.0490
32	.178	.0148	.0128	.0697	.1212	.0419
33	.183	.0171	.0151	.0877	.1616	.0558
34	.189	.0189	.0169	.1116	.2056	.0710
35	.194	.0154	.0134	.1008	.1857	.0642
36	.200	.0144	.0124	.1068	.1968	.0680
37	.206	.0147	.0127	.1256	.2315	.0800
38	.211	.0145	.0125	.1427	.2630	.0909
39	.217	.0107	.0087	.1150	.2120	.0732
40	.222	.0071	.0060	.0928	.1711	.0591
41	.228	.0073	.0050	.0895	.1649	.0570
42	.233	.0060	.0040	.0837	.1544	.0533
43	.239	.0041	.0042	.0549	.1004	.0347
44	.244	.0026	.0027	.0194	.0361	.0125
45	.250	.0019	.0021	.0023	.0043	.0015
46	.256	.0022	.0021	.0021	.0038	.0071
47	.261	.0022	.0021	.0001	.0058	.0107
48	.267	.0020	.0019	.0000	.0000	.0000
49	.272	.0016	.0017	.0000	.0000	.0000
50	.278	.0015	.0016	.0000	.0000	.0000
51	.283	.0017	.0017	.0000	.0000	.0000
52	.289	.0020	.0019	.0000	.0000	.0000
53	.294	.0020	.0019	.0000	.0000	.0000
54	.300	.0017	.0017	.0000	.0000	.0000
55	.306	.0016	.0016	.0000	.0000	.0000
56	.311	.0015	.0016	.0000	.0000	.0000
57	.317	.0017	.0017	.0000	.0000	.0000
58	.322	.0019	.0021	.0000	.0194	.0357
59	.328	.0028	.0028	.0008	.0008	.0014
60	.333	.0037	.0032	.0012	.0012	.0022



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 16/ 4/58 — AV. T= 6.1 — RECORD = JMC120
HOUR = 12 — SIG.HGT. = 6.3 — UPPER HGT. = 6.8
TOTAL OF =275 — CORR. VAR. = 2.5 — LOWER HGT. = 5.9
NOISE LEVEL = .0008 — WIND SPEED = 20

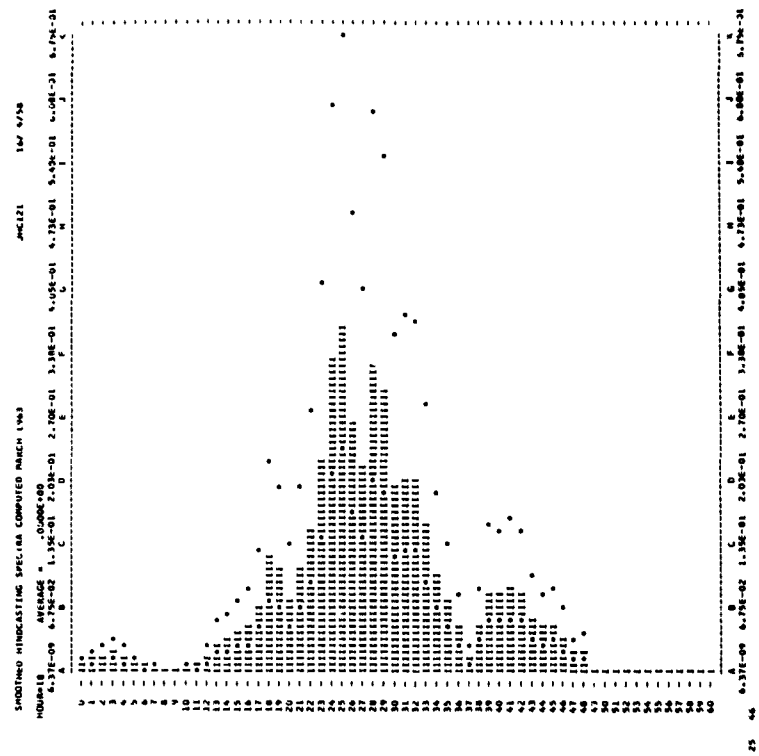
M	FRQ.	UNIT=FT.2 FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0016	.0016	.0007	.0007	.0014	.0005
1	.006	.0032	.0032	.0023	.0023	.0043	.0015
2	.011	.0043	.0043	.0034	.0034	.0064	.0022
3	.017	.0035	.0035	.0027	.0027	.0049	.0017
4	.022	.0036	.0036	.0027	.0027	.0051	.0018
5	.028	.0034	.0034	.0025	.0026	.0047	.0016
6	.033	.0023	.0023	.0014	.0023	.0043	.0015
7	.039	.0014	.0014	.0006	.0008	.0014	.0005
8	.044	.0011	.0011	.0002	.0003	.0006	.0002
9	.050	.0010	.0010	.0002	.0002	.0003	.0001
10	.056	.0011	.0011	.0002	.0003	.0005	.0002
11	.061	.0021	.0021	.0012	.0014	.0026	.0009
12	.067	.0049	.0049	.0040	.0046	.0085	.0029
13	.072	.0044	.0044	.0055	.0064	.0118	.0041
14	.078	.0173	.0173	.0164	.0195	.0360	.0124
15	.083	.0636	.0636	.0625	.0770	.1419	.0490
16	.089	.1117	.1117	.1108	.1424	.2624	.0907
17	.094	.1125	.1125	.1116	.1508	.2779	.0960
18	.100	.0981	.0981	.0972	.1388	.2559	.0884
19	.106	.0831	.0831	.0822	.1250	.2303	.0796
20	.111	.0593	.0593	.0584	.0949	.1750	.0604
21	.117	.0584	.0584	.0575	.1004	.1850	.0639
22	.122	.0571	.0571	.0562	.1059	.1952	.0674
23	.128	.0286	.0286	.0277	.0567	.1044	.0361
24	.133	.0096	.0096	.0087	.0195	.0359	.0124
25	.139	.0117	.0117	.0108	.0266	.0487	.0168
26	.144	.0182	.0182	.0173	.0464	.0856	.0296
27	.150	.0186	.0177	.0524	.0946	.0334
28	.156	.0137	.0137	.0128	.0421	.0775	.0268
29	.161	.0148	.0148	.0139	.0508	.0936	.0323
30	.167	.0208	.0208	.0199	.0812	.1497	.0517
31	.172	.0243	.0243	.0234	.1071	.1973	.0682
32	.178	.0241	.0241	.0232	.1197	.2207	.0762
33	.183	.0203	.0194	.1132	.2086	.0721
34	.189	.0158	.0158	.0149	.0989	.1822	.0630
35	.194	.0123	.0114	.0863	.1591	.0550
36	.200	.0084	.0075	.0749	.1380	.0477
37	.206	.0079	.0079	.0070	.0807	.1487	.0514
38	.211	.0093	.0093	.0084	.0590	.1088	.0376
39	.217	.0053	.0053	.0044	.0321	.0590	.0204
40	.222	.0036	.0042	.0026	.0521	.0960	.0331
41	.228	.0044	.0041	.0032	.0585	.1079	.0373
42	.233	.0040	.0037	.0029	.0607	.1119	.0386
43	.239	.0025	.0028	.0019	.0478	.0881	.0304
44	.244	.0021	.0021	.0013	.0382	.0703	.0243
45	.250	.0019	.0018	.0010	.0388	.0626	.0216
46	.256	.0014	.0014	.0006	.0238	.0439	.0152
47	.261	.0010	.0010	.0002	.0099	.0183	.0063
48	.267	.0008	.0008	.0000	.0000	.0000	.0000
49	.272	.0007	.0008	.0000	.0000	.0000	.0000
50	.278	.0009	.0009	.0000	.0000	.0000	.0000
51	.283	.0010	.0010	.0001	.0001	.0002	.0001
52	.289	.0010	.0010	.0002	.0002	.0003	.0001
53	.294	.0011	.0010	.0002	.0002	.0004	.0001
54	.300	.0010	.0010	.0001	.0001	.0002	.0001
55	.306	.0008	.0008	.0000	.0000	.0000	.0000
56	.311	.0007	.0008	.0000	.0000	.0000	.0000
57	.317	.0010	.0009	.0000	.0000	.0000	.0000
58	.322	.0008	.0008	.0000	.0000	.0000	.0000
59	.328	.0006	.0006	.0000	.0000	.0000	.0000
60	.333	.0005	.0005	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 16/ 4/58 AV. T= 6.2 RECORD = JHC121
HOUR = 18 SIG.HGT. = 8.5 UPPER HGT. = 9.1
TOTAL DF =229 CORR. VAR. = 8.5 LOWER HGT. = 7.9
NOISE LEVEL = .0021 WIND SPEED = 25

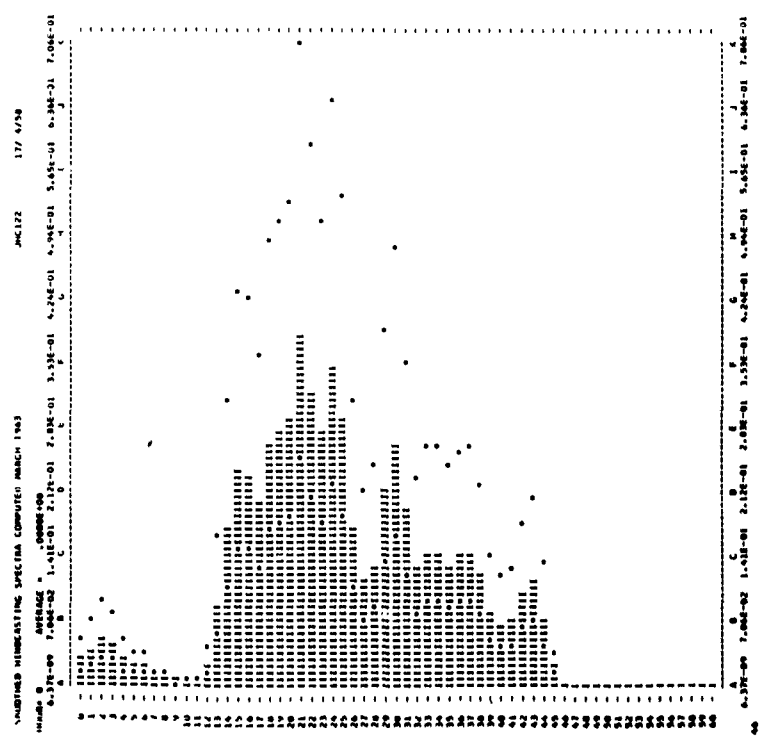
M	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0093	.0093	.0068	.0068	.0126	.0043
1	.006	.0134	.0134	.0109	.0109	.0201	.0070
2	.011	.0187	.0187	.0162	.0162	.0299	.0103
3	.017	.0282	.0282	.0177	.0177	.0327	.0113
4	.022	.0161	.0161	.0136	.0136	.0251	.0087
5	.028	.0088	.0088	.0063	.0063	.0116	.0040
6	.033	.0051	.0051	.0026	.0042	.0078	.0027
7	.039	.0039	.0039	.0014	.0019	.0036	.0012
8	.044	.0035	.0035	.0010	.0013	.0023	.0008
9	.050	.0036	.0036	.0011	.0013	.0024	.0008
10	.056	.0042	.0042	.0017	.0020	.0036	.0012
11	.061	.0064	.0064	.0039	.0044	.0082	.0028
12	.067	.0162	.0162	.0117	.0133	.0245	.0085
13	.072	.0270	.0270	.0245	.0283	.0522	.0180
14	.078	.0315	.0315	.0290	.0344	.0635	.0219
15	.083	.0360	.0360	.0335	.0412	.0760	.0263
16	.089	.0385	.0360	.0360	.0463	.0853	.0295
17	.094	.0539	.0539	.0514	.0694	.1280	.0442
18	.100	.0867	.0867	.0842	.1202	.2216	.0766
19	.106	.0717	.0717	.0692	.1052	.1938	.0670
20	.111	.0487	.0487	.0462	.0791	.1384	.0478
21	.117	.0630	.0630	.0605	.1056	.1946	.0672
22	.122	.0821	.0821	.0796	.1499	.2763	.0954
23	.128	.1115	.1115	.1090	.2226	.4102	.1417
24	.133	.1497	.1477	.1275	.4035	.7435	.2085
25	.139	.1529	.1529	.1504	.3663	.6751	.2332
26	.144	.1006	.1006	.0981	.2626	.4840	.1672
27	.150	.0763	.0763	.0738	.2179	.4017	.1388
28	.156	.1008	.1008	.0983	.3217	.5930	.2049
29	.161	.0837	.0837	.0812	.2957	.5451	.1883
30	.167	.0505	.0505	.0480	.1955	.3603	.1245
31	.172	.0474	.0474	.0449	.2051	.3780	.1306
32	.178	.0417	.0417	.0392	.2019	.3722	.1286
33	.183	.0287	.0287	.0262	.1526	.2812	.0971
34	.189	.0180	.0180	.0155	.1026	.1892	.0653
35	.194	.0123	.0123	.0098	.0760	.1364	.0471
36	.200	.0076	.0076	.0051	.0442	.0814	.0281
37	.206	.0039	.0039	.0014	.0141	.0259	.0090
38	.211	.0068	.0068	.0043	.0494	.0911	.0315
39	.217	.0087	.0087	.0062	.0825	.1521	.0525
40	.222	.0077	.0077	.0052	.0801	.1476	.0510
41	.228	.0078	.0073	.0048	.0872	.1607	.0555
42	.233	.0066	.0062	.0038	.0795	.1466	.0506
43	.239	.0046	.0046	.0022	.0538	.0992	.0343
44	.244	.0040	.0040	.0015	.0493	.0836	.0288
45	.250	.0041	.0039	.0014	.0495	.0893	.0309
46	.256	.0033	.0033	.0009	.0360	.0663	.0229
47	.261	.0029	.0029	.0004	.0194	.0358	.0124
48	.267	.0028	.0028	.0004	.0218	.0403	.0139
49	.272	.0031	.0029	.0005	.0005	.0009	.0003
50	.278	.0028	.0027	.0003	.0003	.0005	.0002
51	.283	.0023	.0024	.0000	.0000	.0000	.0000
52	.289	.0022	.0024	.0000	.0000	.0000	.0000
53	.294	.0029	.0027	.0003	.0003	.0005	.0002
54	.300	.0030	.0029	.0004	.0004	.0008	.0003
55	.306	.0028	.0028	.0004	.0004	.0007	.0002
56	.311	.0028	.0026	.0001	.0001	.0002	.0001
57	.317	.0020	.0020	.0000	.0000	.0000	.0000
58	.322	.0012	.0017	.0000	.0000	.0000	.0000
59	.328	.0023	.0023	.0000	.0000	.0000	.0000
60	.333	.0035	.0029	.0006	.0004	.0008	.0003



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 17/ 4/58 AV. T= 6.8 RECORD = JHC122
HOUR = 0 SIG.HGT. = 9.9 UPPER HGT. = 10.6
TOTAL DF =285 CURR. VAR. = 8.1 LOWER HGT. = 9.3
NOISE LEVEL = .0020 WIND SPEED = 25

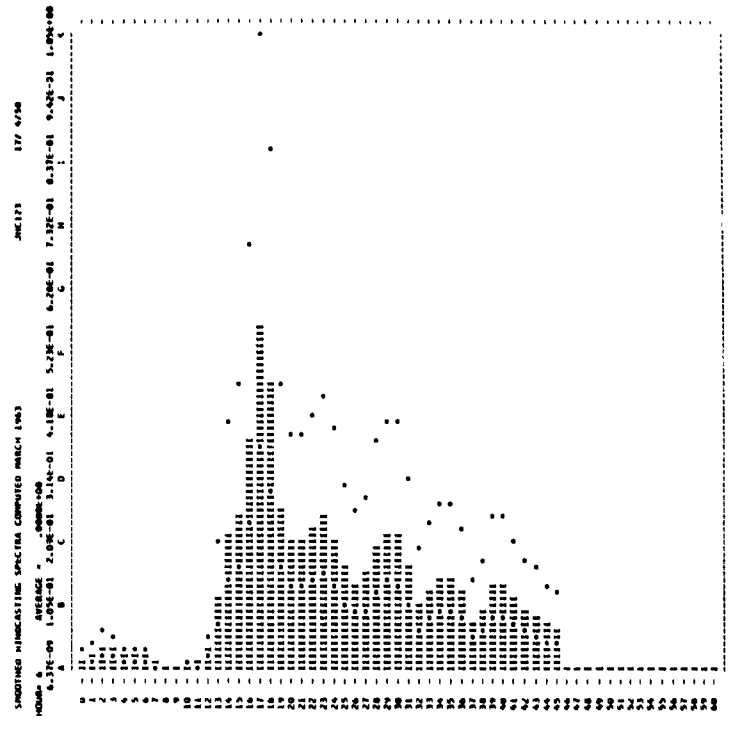
M	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0290	.0290	.0270	.0270	.0498	.0172
1	.006	.0401	.0401	.0381	.0381	.0702	.0243
2	.011	.0517	.0517	.0497	.0497	.0916	.0316
3	.017	.0425	.0425	.0405	.0405	.0746	.0258
4	.022	.0296	.0296	.0276	.0274	.0505	.0176
5	.028	.0228	.0228	.0208	.0208	.0383	.0132
6	.033	.0147	.0147	.0127	.0205	.0378	.0131
7	.039	.0089	.0089	.0069	.0045	.0175	.0060
8	.044	.0073	.0073	.0053	.0046	.0122	.0042
9	.050	.0051	.0051	.0031	.0036	.0067	.0023
10	.056	.0039	.0039	.0019	.0022	.0040	.0014
11	.061	.0047	.0047	.0027	.0030	.0056	.0019
12	.067	.0225	.0225	.0205	.0233	.0429	.0148
13	.072	.0773	.0773	.0753	.0869	.1603	.0554
14	.078	.1426	.1426	.1406	.1869	.3076	.1063
15	.083	.1931	.1931	.1711	.2351	.4336	.1497
16	.089	.1802	.1802	.1782	.2749	.4219	.1457
17	.094	.1467	.1467	.1447	.1954	.3602	.1244
18	.100	.1864	.1864	.1844	.2633	.4852	.1676
19	.106	.1861	.1861	.1821	.2767	.5099	.1762
20	.111	.1792	.1792	.1772	.2678	.5104	.1832
21	.117	.2217	.2217	.2197	.1832	.7064	.2440
22	.122	.1724	.1724	.1704	.3208	.5913	.2043
23	.128	.1363	.1363	.1343	.2742	.5053	.1746
24	.133	.1595	.1585	.1565	.3491	.6436	.2217
25	.139	.1219	.1219	.1199	.2918	.5381	.1859
26	.144	.0648	.0628	.0628	.1681	.3098	.1070
27	.150	.0405	.0405	.0385	.1137	.2095	.0724
28	.156	.0316	.0316	.0316	.1298	.2389	.0825
29	.161	.0596	.0596	.0576	.2097	.3866	.1336
30	.167	.0658	.0658	.0638	.2548	.4788	.1654
31	.172	.0438	.0438	.0418	.1908	.3517	.1215
32	.178	.0261	.0261	.0241	.1241	.2287	.0790
33	.183	.0284	.0264	.0244	.1420	.2617	.0904
34	.189	.0234	.0234	.0214	.1415	.2609	.0901
35	.194	.0191	.0191	.0171	.1289	.2376	.0821
36	.200	.0182	.0182	.0162	.1349	.2578	.0891
37	.206	.0162	.0162	.0142	.1408	.2596	.0897
38	.211	.0123	.0123	.0103	.1179	.2173	.0751
39	.217	.0078	.0078	.0058	.0770	.1419	.0490
40	.222	.0096	.0062	.0042	.0664	.1187	.0410
41	.228	.0058	.0058	.0038	.0680	.1253	.0433
42	.233	.0067	.0065	.0045	.0955	.1761	.0608
43	.239	.0074	.0064	.0044	.1099	.2026	.0700
44	.244	.0042	.0044	.0024	.0712	.1312	.0453
45	.250	.0039	.0025	.0005	.0353	.0651	.0225
46	.256	.0022	.0023	.0003	.0005	.0006	.0002
47	.261	.0029	.0028	.0008	.0048	.0015	.0005
48	.267	.0032	.0030	.0010	.0010	.0019	.0007
49	.272	.0028	.0029	.0009	.0009	.0016	.0006
50	.278	.0027	.0027	.0007	.0007	.0014	.0005
51	.283	.0028	.0026	.0006	.0006	.0012	.0004
52	.289	.0023	.0025	.0005	.0005	.0010	.0003
53	.294	.0027	.0026	.0006	.0006	.0011	.0004
54	.300	.0026	.0023	.0003	.0003	.0006	.0002
55	.306	.0016	.0016	.0000	.0000	.0000	.0000
56	.311	.0012	.0013	.0000	.0000	.0000	.0000
57	.317	.0015	.0015	.0000	.0000	.0000	.0000
58	.322	.0018	.0017	.0000	.0000	.0000	.0000
59	.328	.0019	.0018	.0000	.0000	.0000	.0000
60	.333	.0018	.0018	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 17/ 4/58 AV. T= 6.8 RECORD = JHC123
HOUR = 6 SIG.HGT. = 10.1 UPPER HGT. = 10.9
TOTAL OF =265 CORR. VAR. = 6.4 LOWER HGT. = 9.4
NOISE LEVEL = .0017 WIND SPEED = 20

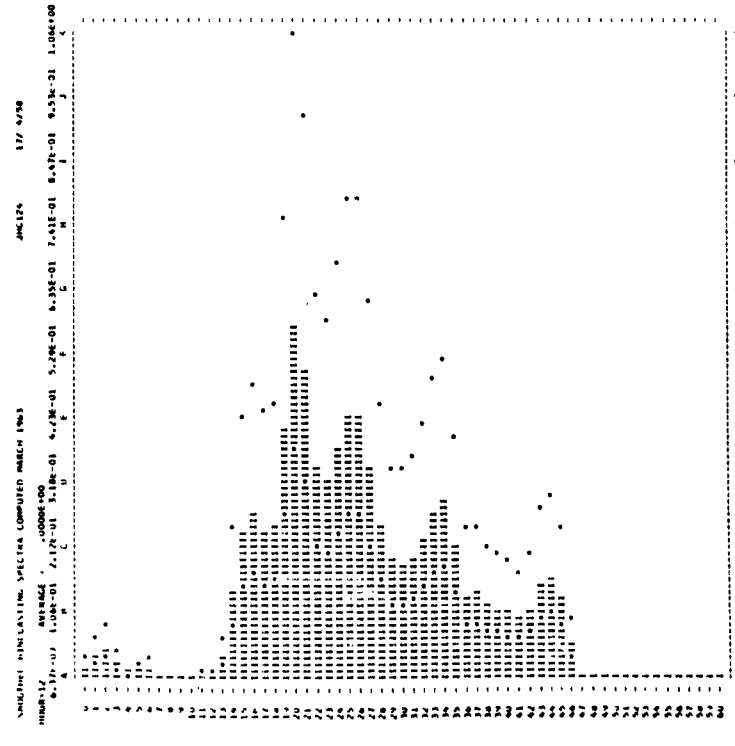
H	FREQ.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0169	.0169	.0151	.0151	.0279	.0046
1	.006	.0352	.0282	.0236	.0236	.0432	.0140
2	.011	.0374	.0374	.0356	.0356	.0657	.0227
3	.017	.0311	.0311	.0293	.0293	.0541	.0187
4	.022	.0199	.0199	.0181	.0181	.0335	.0116
5	.028	.0178	.0178	.0160	.0161	.0296	.0102
6	.033	.0123	.0123	.0105	.0170	.0314	.0109
7	.039	.0061	.0061	.0043	.0060	.0110	.0038
8	.044	.0033	.0033	.0015	.0019	.0036	.0012
9	.050	.0031	.0031	.0013	.0016	.0029	.0010
10	.056	.0051	.0051	.0033	.0038	.0070	.0024
11	.061	.0086	.0086	.0068	.0077	.0143	.0049
12	.067	.0275	.0275	.0257	.0292	.0538	.0186
13	.072	.1015	.1015	.0997	.1192	.2123	.0733
14	.078	.1904	.1904	.1886	.2239	.4127	.1426
15	.083	.2089	.2089	.2071	.2549	.4698	.1623
16	.089	.2961	.2961	.2943	.3781	.6969	.2407
17	.094	.4221	.4221	.4203	.5676	1.0462	.3614
18	.100	.3288	.3288	.3270	.4669	.8606	.2973
19	.106	.1710	.1710	.1692	.2571	.4739	.1637
20	.111	.1298	.1298	.1280	.2080	.3833	.1324
21	.117	.1227	.1227	.1209	.2110	.3889	.1343
22	.122	.1238	.1238	.1220	.2298	.4238	.1463
23	.128	.1222	.1222	.1204	.2459	.4532	.1566
24	.133	.0979	.0979	.0961	.2139	.3942	.1362
25	.139	.0699	.0699	.0681	.1659	.3058	.1057
26	.144	.0541	.0541	.0523	.1401	.2583	.0892
27	.150	.0538	.0538	.0520	.1537	.2832	.0978
28	.156	.0638	.0638	.0620	.2031	.3743	.1293
29	.161	.0633	.0633	.0615	.2241	.4131	.1427
30	.167	.0596	.0596	.0578	.2192	.4041	.1396
31	.172	.0389	.0389	.0371	.1696	.3126	.1080
32	.178	.0223	.0223	.0205	.1058	.1950	.0674
33	.183	.0262	.0262	.0224	.1306	.2408	.0832
34	.189	.0244	.0244	.0226	.1498	.2761	.0954
35	.194	.0215	.0215	.0197	.1489	.2744	.0948
36	.200	.0167	.0162	.0144	.1248	.2299	.0794
37	.206	.0095	.0095	.0077	.0769	.1417	.0489
38	.211	.0102	.0102	.0084	.0967	.1783	.0616
39	.217	.0122	.0122	.0104	.1387	.2556	.0883
40	.222	.0112	.0106	.0088	.1369	.2516	.0869
41	.228	.0078	.0082	.0064	.1157	.2133	.0737
42	.233	.0094	.0063	.0044	.0948	.1780	.0615
43	.239	.0057	.0053	.0036	.0882	.1625	.0561
44	.244	.0039	.0042	.0025	.0719	.1325	.0458
45	.250	.0033	.0036	.0019	.0661	.1219	.0421
46	.256	.0041	.0037	.0020	.0720	.0036	.0013
47	.261	.0034	.0035	.0018	.0018	.0033	.0011
48	.267	.0033	.0033	.0016	.0016	.0029	.0010
49	.272	.0034	.0030	.0013	.0013	.0024	.0008
50	.278	.0021	.0021	.0005	.0005	.0009	.0003
51	.283	.0013	.0016	.0000	.0000	.0000	.0000
52	.289	.0016	.0016	.0000	.0000	.0000	.0000
53	.294	.0020	.0018	.0001	.0001	.0002	.0001
54	.300	.0018	.0017	.0000	.0000	.0000	.0000
55	.306	.0013	.0013	.0000	.0000	.0000	.0000
56	.311	.0010	.0012	.0000	.0000	.0000	.0000
57	.317	.0016	.0016	.0000	.0000	.0000	.0000
58	.324	.0024	.0022	.0006	.0006	.0008	.0003
59	.328	.0023	.0022	.0005	.0005	.0009	.0003
60	.333	.0019	.0021	.0003	.0003	.0006	.0002



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 17/ 4/58 AV. T= 6.5 RECORD = JHC124
HOUR = 12 SIG.HGT. = 11.4 UPPER HGT. = 12.2
TOTAL OF =271 CORR. VAR. = 8.1 LOWER HGT. = 10.6
NOISE LEVEL = .0049 WIND SPEED = 20

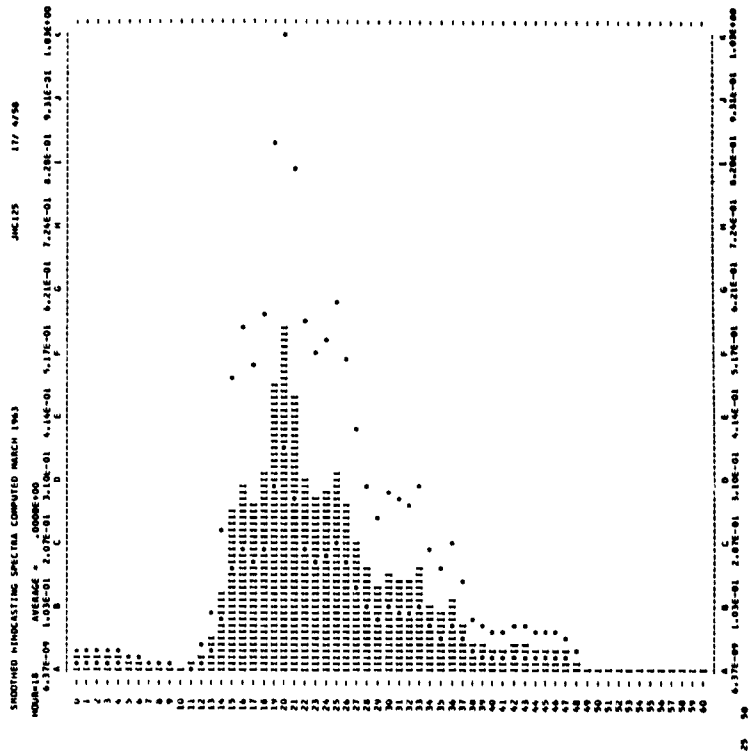
H	FREQ.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0205	.0205	.0156	.0156	.0287	.0099
1	.006	.0346	.0346	.0346	.0345	.0636	.0220
2	.011	.0514	.0514	.0465	.0465	.0857	.0296
3	.017	.0287	.0287	.0238	.0238	.0438	.0151
4	.022	.0131	.0131	.0082	.0082	.0151	.0052
5	.028	.0159	.0158	.0109	.0109	.0201	.0069
6	.033	.0161	.0161	.0092	.0148	.0273	.0094
7	.039	.0060	.0060	.0011	.0015	.0027	.0009
8	.044	.0031	.0031	.0000	.0000	.0000	.0000
9	.050	.0047	.0047	.0000	.0000	.0000	.0000
10	.056	.0063	.0063	.0014	.0016	.0029	.0010
11	.061	.0080	.0080	.0031	.0035	.0064	.0022
12	.067	.0084	.0084	.0035	.0040	.0073	.0025
13	.072	.0336	.0336	.0285	.0349	.0606	.0209
14	.078	.1176	.1176	.1127	.1338	.2465	.0852
15	.083	.1939	.1939	.1890	.2325	.4286	.1481
16	.089	.2069	.2069	.2020	.2546	.4702	.1652
17	.094	.1781	.1781	.1732	.2339	.4310	.1489
18	.100	.1743	.1743	.1694	.2418	.4457	.1540
19	.106	.2730	.2730	.2681	.4073	.7507	.2593
20	.111	.3585	.3585	.3536	.5763	1.0584	.3657
21	.117	.2920	.2920	.2871	.5008	.9230	.3189
22	.122	.1853	.1853	.1804	.3396	.6260	.2163
23	.128	.1808	.1808	.1759	.3182	.5866	.2026
24	.133	.1699	.1699	.1650	.3670	.6764	.2337
25	.139	.1787	.1787	.1738	.4231	.7799	.2694
26	.144	.1632	.1632	.1583	.4236	.7808	.2698
27	.150	.1182	.1182	.1133	.3344	.6164	.2130
28	.156	.0787	.0787	.0738	.2415	.4450	.1537
29	.161	.0560	.0560	.0511	.1860	.3428	.1184
30	.167	.0501	.0501	.0452	.1840	.3391	.1171
31	.172	.0478	.0478	.0429	.1958	.3608	.1247
32	.178	.0487	.0487	.0438	.2256	.4155	.1435
33	.183	.0500	.0500	.0451	.2623	.4835	.1670
34	.189	.0476	.0476	.0427	.2823	.5203	.1797
35	.194	.0331	.0331	.0282	.2124	.3916	.1353
36	.200	.0201	.0201	.0152	.1311	.2416	.0835
37	.206	.0184	.0184	.0135	.1337	.2464	.0851
38	.211	.0149	.0149	.0100	.1143	.2106	.0728
39	.217	.0131	.0131	.0082	.1088	.2001	.0691
40	.222	.0119	.0119	.0070	.1019	.1878	.0649
41	.228	.0092	.0100	.0051	.0920	.1695	.0586
42	.233	.0098	.0101	.0052	.1049	.2026	.0700
43	.239	.0117	.0109	.0060	.1442	.2750	.0950
44	.244	.0105	.0104	.0055	.1617	.2980	.1029
45	.250	.0090	.0087	.0038	.1308	.2411	.0833
46	.256	.0062	.0061	.0012	.0911	.0942	.0325
47	.261	.0052	.0060	.0000	.0000	.0000	.0000
48	.267	.0036	.0036	.0000	.0000	.0000	.0000
49	.272	.0045	.0045	.0000	.0000	.0000	.0000
50	.278	.0058	.0057	.0008	.0008	.0014	.0005
51	.283	.0067	.0063	.0014	.0014	.0026	.0009
52	.289	.0061	.0058	.0009	.0009	.0017	.0006
53	.294	.0044	.0044	.0000	.0000	.0000	.0000
54	.300	.0026	.0031	.0000	.0000	.0000	.0000
55	.306	.0027	.0030	.0000	.0000	.0000	.0000
56	.311	.0040	.0040	.0000	.0000	.0000	.0000
57	.317	.0053	.0053	.0004	.0004	.0008	.0003
58	.322	.0067	.0061	.0012	.0017	.0023	.0008
59	.328	.0059	.0058	.0004	.0009	.0016	.0006
60	.333	.0047	.0053	.0004	.0004	.0007	.0002



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1983

DATE = 17/ 4/58 AV. T= 7.2 RECORD = JHC125
HOUR = 18 SIG.HGT. = 10.0 UPPER HGT. = 10.8
TOTAL OF =226 CORR. VAR. = 6.3 LOWER HGT. = 9.3
NOISE LEVEL = .0023 WIND SPEED = 25

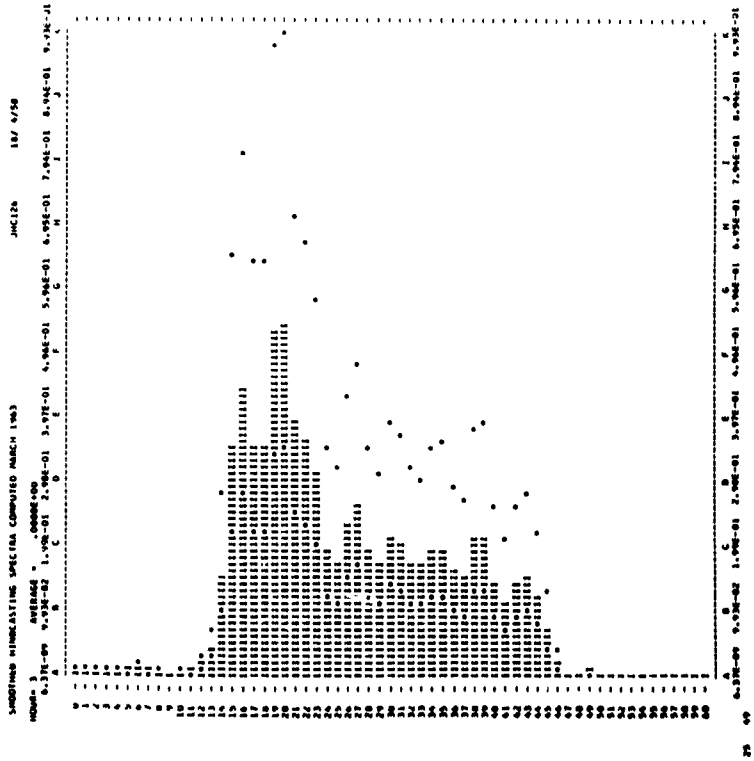
M	FRE.	UNIT-FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0191	.0191	.0168	.0168	.0310	.0107
1	.006	.0199	.0199	.0176	.0176	.0324	.0112
2	.011	.0195	.0195	.0172	.0172	.0317	.0109
3	.017	.0206	.0206	.0183	.0183	.0337	.0116
4	.022	.0202	.0202	.0179	.0179	.0330	.0114
5	.028	.0143	.0143	.0120	.0120	.0221	.0076
6	.033	.0089	.0089	.0066	.0107	.0196	.0068
7	.039	.0054	.0054	.0031	.0043	.0078	.0027
8	.044	.0051	.0051	.0028	.0035	.0064	.0022
9	.050	.0047	.0047	.0024	.0028	.0052	.0018
10	.056	.0047	.0047	.0024	.0027	.0050	.0017
11	.061	.0077	.0077	.0054	.0061	.0112	.0039
12	.067	.0214	.0214	.0191	.0217	.0399	.0138
13	.072	.0459	.0459	.0436	.0503	.0928	.0321
14	.078	.1059	.1059	.1036	.1230	.2266	.0785
15	.083	.2128	.2128	.2105	.2590	.4774	.1649
16	.089	.2390	.2390	.2367	.3040	.5604	.1936
17	.094	.2012	.2012	.1989	.2686	.4950	.1710
18	.100	.2239	.2239	.2216	.3164	.5831	.2014
19	.106	.3081	.3081	.3058	.4644	.8561	.2958
20	.111	.3480	.3480	.3457	.5616	1.0348	.3575
21	.117	.2554	.2554	.2531	.4415	.8137	.2811
22	.122	.1673	.1673	.1650	.3107	.5726	.1978
23	.128	.1399	.1399	.1376	.2809	.5177	.1789
24	.133	.1336	.1336	.1313	.2920	.5383	.1860
25	.139	.1349	.1349	.1326	.3229	.5951	.2056
26	.144	.1042	.1042	.1019	.2727	.5027	.1737
27	.150	.0738	.0738	.0715	.2111	.3890	.1344
28	.156	.0520	.0520	.0497	.1626	.2997	.1036
29	.161	.0387	.0387	.0364	.1325	.2443	.0844
30	.167	.0410	.0410	.0387	.1575	.2904	.1003
31	.172	.0349	.0349	.0326	.1488	.2743	.0948
32	.178	.0311	.0288	.0288	.1603	.2733	.0944
33	.183	.0300	.0300	.0277	.1612	.2970	.1026
34	.189	.0186	.0186	.0163	.1078	.1986	.0686
35	.194	.0141	.0141	.0118	.0889	.1639	.0566
36	.200	.0150	.0150	.0127	.1096	.2020	.0698
37	.206	.0100	.0100	.0077	.0763	.1407	.0486
38	.211	.0063	.0063	.0040	.0457	.0843	.0291
39	.217	.0052	.0052	.0029	.0384	.0708	.0245
40	.222	.0042	.0044	.0021	.0331	.0610	.0211
41	.228	.0042	.0042	.0019	.0350	.0644	.0223
42	.233	.0044	.0042	.0019	.0400	.0737	.0255
43	.239	.0038	.0038	.0015	.0378	.0696	.0240
44	.244	.0033	.0034	.0011	.0329	.0606	.0209
45	.250	.0033	.0033	.0010	.0338	.0622	.0215
46	.256	.0032	.0031	.0008	.0350	.0646	.0223
47	.261	.0029	.0029	.0006	.0282	.0521	.0180
48	.267	.0029	.0029	.0002	.0146	.0268	.0093
49	.272	.0023	.0023	.0000	.0000	.0000	.0000
50	.278	.0020	.0020	.0000	.0000	.0000	.0000
51	.283	.0019	.0019	.0000	.0000	.0000	.0000
52	.289	.0019	.0021	.0000	.0000	.0000	.0000
53	.294	.0026	.0026	.0003	.0003	.0005	.0002
54	.300	.0033	.0031	.0008	.0008	.0014	.0005
55	.306	.0031	.0030	.0007	.0007	.0012	.0004
56	.311	.0024	.0024	.0001	.0001	.0002	.0001
57	.317	.0018	.0020	.0000	.0000	.0000	.0000
58	.322	.0019	.0019	.0000	.0000	.0000	.0000
59	.328	.0021	.0020	.0000	.0000	.0000	.0000
60	.333	.0020	.0020	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1983

DATE = 18/ 4/58 AV. T= 6.6 RECORD = JHC126
HOUR = 3 SIG.HGT. = 11.1 UPPER HGT. = 11.9
TOTAL OF =266 CORR. VAR. = 7.7 LOWER HGT. = 10.3
NOISE LEVEL = .0036 WIND SPEED = 25

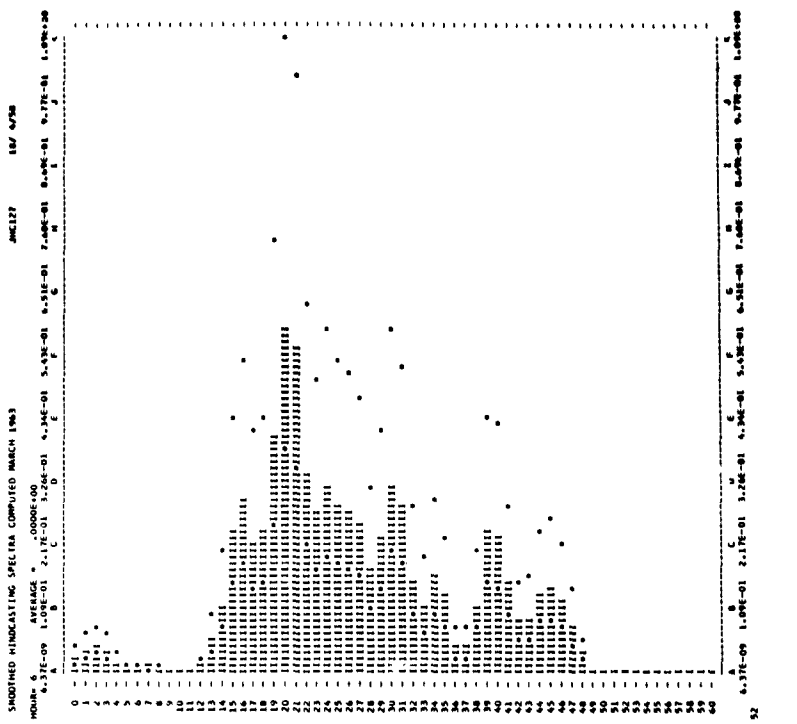
M	FRE.	UNIT-FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0063	.0063	.0027	.0027	.0050	.0017
1	.006	.0074	.0074	.0038	.0038	.0070	.0024
2	.011	.0081	.0081	.0045	.0045	.0083	.0029
3	.017	.0074	.0074	.0038	.0038	.0070	.0024
4	.022	.0075	.0075	.0039	.0039	.0072	.0025
5	.028	.0088	.0088	.0052	.0052	.0096	.0033
6	.033	.0095	.0095	.0059	.0095	.0176	.0061
7	.039	.0077	.0077	.0041	.0056	.0104	.0036
8	.044	.0058	.0058	.0022	.0027	.0050	.0017
9	.050	.0056	.0056	.0020	.0023	.0043	.0015
10	.056	.0062	.0062	.0026	.0030	.0055	.0019
11	.061	.0080	.0080	.0044	.0050	.0092	.0032
12	.067	.0169	.0169	.0133	.0151	.0278	.0096
13	.072	.0374	.0374	.0338	.0390	.0719	.0248
14	.078	.1293	.1293	.1257	.1492	.2750	.0950
15	.083	.2866	.2866	.2830	.3482	.6418	.2217
16	.089	.3430	.3430	.3394	.4180	.8035	.2776
17	.094	.2990	.2990	.2956	.3649	.6357	.2196
18	.100	.2442	.2442	.2406	.3435	.6331	.2187
19	.106	.3523	.3523	.3487	.5298	.9765	.3373
20	.111	.3353	.3353	.3317	.5387	.9929	.3430
21	.117	.2231	.2231	.2195	.3829	.7057	.2438
22	.122	.1950	.1950	.1914	.3604	.6642	.2295
23	.128	.1556	.1556	.1520	.3103	.5719	.1976
24	.133	.0893	.0893	.0857	.1906	.3513	.1214
25	.139	.0763	.0763	.0707	.1721	.3173	.1096
26	.144	.0897	.0897	.0861	.2304	.4247	.1467
27	.150	.0916	.0916	.0880	.2598	.4788	.1654
28	.156	.0618	.0618	.0582	.1905	.3510	.1213
29	.161	.0493	.0493	.0457	.1464	.3067	.1060
30	.167	.0556	.0556	.0520	.2117	.3902	.1348
31	.172	.0473	.0473	.0437	.1995	.3677	.1270
32	.178	.0371	.0371	.0335	.1725	.3179	.1098
33	.183	.0318	.0318	.0282	.1641	.3024	.1045
34	.189	.0322	.0322	.0286	.1891	.3486	.1204
35	.194	.0290	.0290	.0254	.1915	.3529	.1219
36	.200	.0217	.0217	.0181	.1563	.2880	.0995
37	.206	.0185	.0185	.0149	.1477	.2723	.0941
38	.211	.0215	.0215	.0179	.2049	.3776	.1304
39	.217	.0194	.0194	.0158	.2096	.3864	.1335
40	.222	.0129	.0125	.0089	.1376	.2537	.0876
41	.228	.0089	.0099	.0063	.1130	.2082	.0719
42	.233	.0108	.0102	.0066	.1393	.2567	.0887
43	.239	.0103	.0097	.0061	.1514	.2791	.0964
44	.244	.0074	.0076	.0040	.1181	.2176	.0752
45	.250	.0054	.0059	.0019	.0870	.1249	.0432
46	.256	.0040	.0041	.0003	.0196	.0361	.0125
47	.261	.0029	.0032	.0000	.0000	.0000	.0000
48	.267	.0032	.0032	.0000	.0000	.0000	.0000
49	.272	.0035	.0037	.0001	.0070	.0129	.0044
50	.278	.0046	.0047	.0009	.0009	.0017	.0006
51	.283	.0053	.0047	.0011	.0011	.0021	.0007
52	.289	.0037	.0037	.0001	.0001	.0001	.0000
53	.294	.0020	.0027	.0000	.0000	.0000	.0000
54	.300	.0032	.0034	.0000	.0000	.0000	.0000
55	.306	.0052	.0046	.0018	.0018	.0034	.0012
56	.311	.0047	.0049	.0009	.0009	.0017	.0006
57	.317	.0034	.0035	.0000	.0000	.0000	.0000
58	.322	.0029	.0029	.0000	.0000	.0000	.0000
59	.328	.0028	.0029	.0000	.0000	.0000	.0000
60	.333	.0036	.0032	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 18/ 4/58 AV. T= 6.4 RECORD = JMC127
HOUR = 6 SIG.HGT. = 11.1 UPPER HGT. = 11.9
TOTAL OF =272 CORR. VAR. = 7.6 LOWER HGT. = 10.3
NOISE LEVEL = .0035 WIND SPEED = 25

M	FRE.	UNIT-FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0280	.0280	.0245	.0245	.0451	.0156
1	.006	.0382	.0382	.0347	.0347	.0639	.0221
2	.011	.0473	.0473	.0438	.0438	.0807	.0279
3	.017	.0368	.0368	.0333	.0333	.0613	.0212
4	.022	.0183	.0183	.0148	.0148	.0272	.0094
5	.028	.0073	.0073	.0038	.0038	.0070	.0024
6	.033	.0062	.0062	.0027	.0043	.0080	.0028
7	.039	.0075	.0075	.0040	.0095	.0101	.0039
8	.044	.0065	.0065	.0030	.0037	.0068	.0024
9	.050	.0046	.0046	.0011	.0011	.0023	.0008
10	.056	.0043	.0043	.0008	.0009	.0016	.0006
11	.061	.0038	.0038	.0003	.0003	.0006	.0002
12	.067	.0191	.0191	.0116	.0131	.0242	.0084
13	.072	.0473	.0473	.0438	.0906	.0932	.0322
14	.078	.0972	.0972	.0937	.1112	.2050	.0708
15	.083	.1934	.1934	.1899	.2336	.4306	.1488
16	.089	.2304	.2304	.2269	.2916	.5371	.1856
17	.094	.1679	.1679	.1644	.2220	.4091	.1413
18	.100	.1677	.1677	.1642	.2344	.4320	.1493
19	.106	.2665	.2665	.2630	.3998	.7364	.2544
20	.111	.3662	.3662	.3627	.5890	1.0857	.3751
21	.117	.3.99	.3199	.3160	.5912	1.0139	.3510
22	.122	.1839	.1839	.1800	.3384	.6246	.2158
23	.128	.1373	.1373	.1338	.2731	.5034	.1739
24	.133	.1493	.1493	.1418	.3136	.5813	.2008
25	.139	.1219	.1219	.1180	.2873	.5295	.1829
26	.144	.1065	.1065	.1030	.2756	.5080	.1755
27	.150	.0886	.0886	.0851	.2912	.4630	.1599
28	.156	.0560	.0560	.0525	.1717	.3166	.1094
29	.161	.0647	.0647	.0612	.2228	.4106	.1419
30	.167	.0813	.0813	.0778	.3167	.5837	.2016
31	.172	.0658	.0658	.0623	.2843	.5241	.1811
32	.178	.0338	.0338	.0303	.1559	.2874	.0993
33	.183	.0222	.0222	.0187	.1087	.2004	.0692
34	.189	.0279	.0279	.0244	.1413	.2972	.1027
35	.194	.0201	.0201	.0166	.1250	.2304	.0796
36	.200	.0084	.0084	.0049	.0422	.0777	.0268
37	.206	.0078	.0078	.0043	.0425	.0783	.0270
38	.211	.0133	.0133	.0098	.1120	.2064	.0713
39	.217	.0212	.0212	.0177	.2346	.4325	.1494
40	.222	.0206	.0183	.0148	.2284	.4210	.1454
41	.228	.0109	.0121	.0086	.1546	.2849	.0984
42	.233	.0060	.0074	.0039	.0830	.1530	.0529
43	.239	.0069	.0070	.0035	.0877	.1617	.0559
44	.244	.0084	.0079	.0044	.1286	.2371	.0819
45	.250	.0079	.0078	.0041	.1438	.2651	.0916
46	.256	.0064	.0064	.0029	.1205	.2221	.0767
47	.261	.0050	.0050	.0015	.0747	.1377	.0476
48	.267	.0037	.0041	.0005	.0317	.0584	.0202
49	.272	.0038	.0040	.0005	.0005	.0009	.0003
50	.278	.0048	.0047	.0012	.0012	.0022	.0008
51	.283	.0054	.0052	.0017	.0017	.0031	.0011
52	.289	.0051	.0049	.0014	.0014	.0026	.0009
53	.294	.0041	.0041	.0006	.0006	.0011	.0004
54	.300	.0032	.0034	.0000	.0000	.0000	.0000
55	.306	.0031	.0032	.0000	.0000	.0000	.0000
56	.311	.0034	.0032	.0000	.0000	.0000	.0000
57	.317	.0031	.0032	.0000	.0000	.0000	.0000
58	.322	.0032	.0030	.0000	.0000	.0000	.0000
59	.328	.0027	.0026	.0000	.0000	.0000	.0000
60	.333	.0018	.0022	.0000	.0000	.0000	.0000

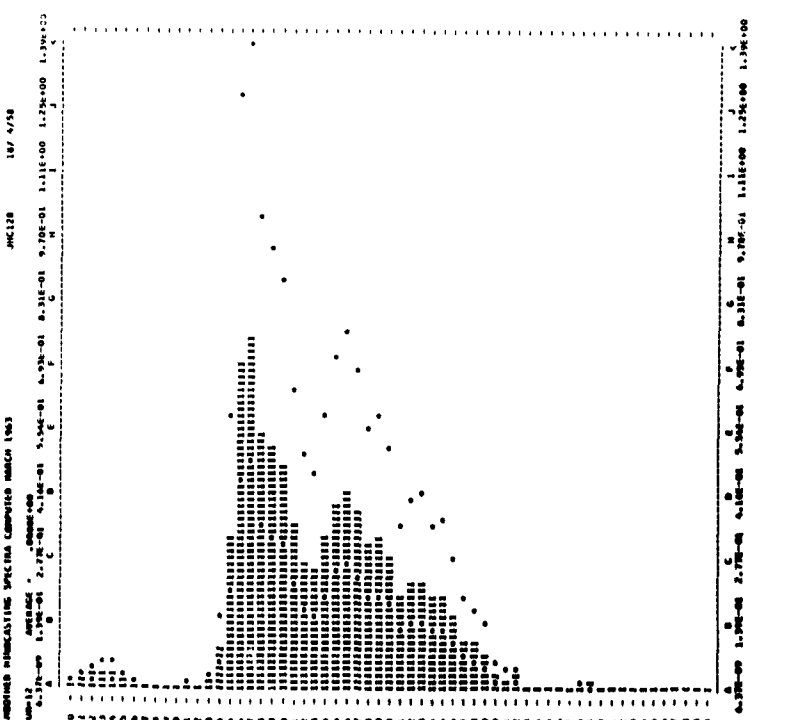


25

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 18/ 4/58 AV. T= 7.3 RECORD = JMC128
HOUR = 12 SIG.HGT. = 11.5 UPPER HGT. = 12.5
TOTAL OF =210 CORR. VAR. = 8.3 LOWER HGT. = 10.6
NOISE LEVEL = .0057 WIND SPEED = 25

M	FRE.	UNIT-FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0105	.0105	.0048	.0048	.0089	.0031
1	.006	.0172	.0172	.0115	.0115	.0213	.0073
2	.011	.0289	.0289	.0232	.0232	.0428	.0148
3	.017	.0393	.0393	.0336	.0336	.0620	.0214
4	.022	.0381	.0381	.0324	.0324	.0598	.0207
5	.028	.0209	.0209	.0152	.0152	.0281	.0097
6	.033	.0081	.0081	.0024	.0039	.0073	.0025
7	.039	.0067	.0067	.0010	.0014	.0026	.0009
8	.044	.0056	.0056	.0000	.0000	.0000	.0000
9	.050	.0051	.0051	.0000	.0000	.0000	.0000
10	.056	.0075	.0075	.0018	.0021	.0039	.0013
11	.061	.0095	.0095	.0038	.0043	.0080	.0028
12	.067	.0066	.0066	.0009	.0011	.0020	.0007
13	.072	.0197	.0197	.0140	.0142	.0249	.0103
14	.078	.0766	.0766	.0709	.0842	.1552	.0536
15	.083	.2650	.2650	.2593	.3191	.5881	.2032
16	.089	.5441	.5441	.5384	.6916	1.2748	.4406
17	.094	.5624	.5624	.5567	.7518	1.3857	.4787
18	.100	.3882	.3882	.3825	.5461	1.0066	.3478
19	.106	.3416	.3416	.3359	.5104	.9407	.3250
20	.111	.2955	.2955	.2898	.4707	.8676	.2997
21	.117	.2038	.2038	.1981	.3456	.6370	.2201
22	.122	.1485	.1485	.1428	.2689	.4957	.1712
23	.128	.1272	.1272	.1215	.2481	.4573	.1580
24	.133	.1467	.1467	.1410	.3137	.5782	.1997
25	.139	.1630	.1630	.1573	.3831	.7061	.2439
26	.144	.1596	.1596	.1539	.4120	.7594	.2623
27	.150	.1311	.1311	.1254	.3703	.6824	.2358
28	.156	.0980	.0980	.0923	.3022	.5569	.1924
29	.161	.0922	.0922	.0865	.3151	.5808	.2006
30	.167	.0796	.0796	.0689	.2807	.5173	.1787
31	.172	.0676	.0676	.0419	.1915	.3529	.1219
32	.178	.0478	.0478	.0421	.2170	.3999	.1381
33	.183	.0445	.0445	.0388	.2260	.4165	.1439
34	.189	.0343	.0343	.0286	.1894	.3491	.1206
35	.194	.0313	.0313	.0256	.1932	.3562	.1230
36	.200	.0231	.0231	.0174	.1505	.2774	.0958
37	.206	.0180	.0180	.0103	.1028	.1869	.0693
38	.211	.0137	.0137	.0080	.0920	.1695	.0586
39	.217	.0111	.0111	.0054	.0721	.1329	.0459
40	.222	.0086	.0077	.0020	.0314	.0579	.0200
41	.228	.0068	.0068	.0011	.0204	.0377	.0130
42	.233	.0076	.0067	.0011	.0229	.0422	.0146
43	.239	.0069	.0057	.0001	.0019	.0037	.0009
44	.244	.0067	.0091	.0000	.0000	.0000	.0000
45	.250	.0057	.0052	.0000	.0000	.0000	.0000
46	.256	.0049	.0051	.0000	.0000	.0000	.0000
47	.261	.0050	.0052	.0000	.0000	.0000	.0000
48	.267	.0058	.0061	.0000	.0000	.0121	.0042
49	.272	.0061	.0058	.0001	.0007	.0178	.0062
50	.278	.0050	.0050	.0000	.0000	.0000	.0000
51	.283	.0051	.0050	.0000	.0000	.0000	.0000
52	.289	.0049	.0048	.0001	.0001	.0021	.0007
53	.294	.0043	.0079	.0023	.0023	.0042	.0015
54	.300	.0043	.0045	.0000	.0000	.0016	.0005
55	.306	.0042	.0050	.0000	.0000	.0000	.0000
56	.311	.0054	.0051	.0000	.0000	.0000	.0000
57	.317	.0056	.0053	.0000	.0000	.0000	.0000
58	.322	.0048	.0050	.0000	.0000	.0000	.0000
59	.328	.0048	.0049	.0000	.0000	.0000	.0000
60	.333	.0051	.0049	.0000	.0000	.0000	.0000

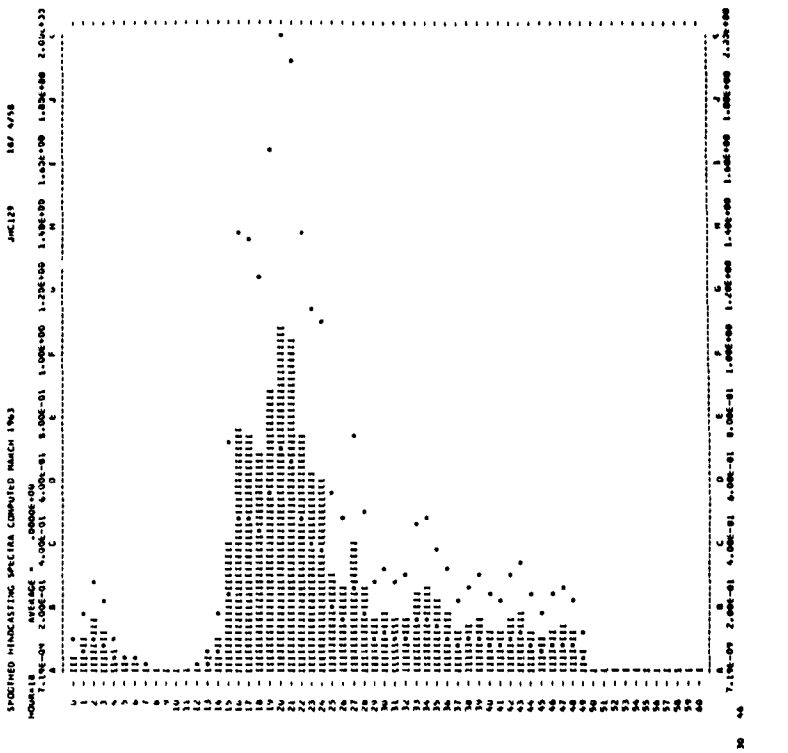


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SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 10/ 4/58 AV. T= 6.9 RECORD = JMC129
HOUR = 18 SIG.HGT. = 14.3 UPPER HGT. = 19.4
TOTAL OF =237 CORR. VAR. = 12.7 LOWER HGT. = 13.2
NOISE LEVEL = .0002 WIND SPEED = 29

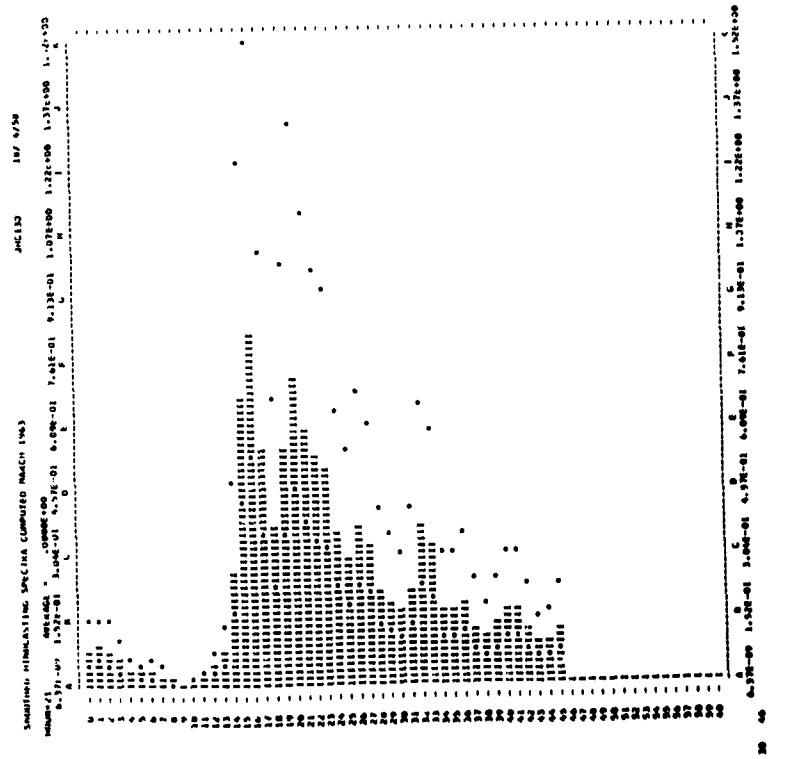
N	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0588	.0588	.0498	.0498	.0919	.0317
1	.006	.1034	.1034	.0967	.0957	.1765	.0610
2	.011	.1599	.1599	.1517	.1517	.2797	.0966
3	.017	.1302	.1302	.1220	.1220	.2249	.0777
4	.022	.0621	.0621	.0539	.0539	.0996	.0343
5	.028	.0279	.0279	.0197	.0197	.0364	.0126
6	.033	.0187	.0187	.0105	.0170	.0314	.0108
7	.039	.0164	.0164	.0046	.0088	.0163	.0056
8	.044	.0109	.0109	.0027	.0036	.0065	.0022
9	.050	.0087	.0087	.0005	.0006	.0012	.0004
10	.056	.0083	.0083	.0001	.0002	.0003	.0001
11	.061	.0071	.0071	.0000	.0000	.0000	.0000
12	.067	.0149	.0149	.0067	.0076	.0141	.0049
13	.072	.0388	.0388	.0306	.0354	.0652	.0224
14	.078	.0948	.0948	.0866	.1028	.1896	.0659
15	.083	.3256	.3256	.3176	.3906	.7199	.2487
16	.089	.5956	.5956	.5872	.7863	1.3903	.4803
17	.094	.5572	.5572	.5490	.7614	1.3466	.4721
18	.100	.4817	.4817	.4735	.6751	1.2461	.4305
19	.106	.5960	.5960	.5888	.8401	1.6405	.5667
20	.111	.6767	.6767	.6686	1.0858	2.0012	.6914
21	.117	.6066	.6066	.5984	1.0439	1.9241	.6647
22	.122	.4067	.4067	.3985	.7504	1.3830	.4778
23	.128	.3136	.3136	.3054	.6236	1.1493	.3970
24	.133	.2750	.2750	.2668	.5935	1.0940	.3779
25	.139	.1360	.1360	.1278	.3064	.5648	.1951
26	.144	.1071	.1071	.0989	.2648	.4881	.1686
27	.150	.1437	.1437	.1355	.4002	.7375	.2548
28	.156	.0907	.0907	.0825	.2701	.4979	.1720
29	.161	.0518	.0518	.0428	.1560	.2875	.0993
30	.167	.0508	.0508	.0426	.1736	.3200	.1105
31	.172	.0424	.0424	.0342	.1363	.2681	.0995
32	.178	.0394	.0394	.0312	.1409	.2965	.1024
33	.183	.0506	.0506	.0424	.2470	.4552	.1572
34	.189	.0476	.0476	.0396	.2608	.4808	.1661
35	.194	.0361	.0361	.0279	.2106	.3882	.1341
36	.200	.0278	.0278	.0197	.1704	.3141	.1085
37	.206	.0202	.0202	.0120	.1194	.2201	.0760
38	.211	.0208	.0208	.0126	.1447	.2667	.0921
39	.217	.0207	.0207	.0125	.1464	.2697	.1060
40	.222	.0155	.0163	.0081	.1252	.2307	.0797
41	.228	.0134	.0146	.0064	.1160	.2138	.0738
42	.233	.0161	.0156	.0075	.1581	.2914	.1007
43	.239	.0170	.0156	.0072	.1792	.3303	.1141
44	.244	.0116	.0126	.0047	.1296	.2388	.0825
45	.250	.0105	.0110	.0029	.0997	.1838	.0635
46	.256	.0117	.0112	.0030	.1250	.2303	.0796
47	.261	.0108	.0110	.0028	.1407	.2594	.0896
48	.267	.0107	.0102	.0021	.1243	.2290	.0791
49	.272	.0088	.0090	.0009	.0619	.1141	.0394
50	.278	.0078	.0079	.0000	.0000	.0000	.0000
51	.283	.0074	.0078	.0000	.0000	.0000	.0000
52	.289	.0069	.0069	.0000	.0000	.0000	.0000
53	.294	.0067	.0091	.0000	.0000	.0000	.0000
54	.300	.0055	.0060	.0000	.0000	.0000	.0000
55	.306	.0083	.0083	.0002	.0002	.0003	.0001
56	.311	.0112	.0105	.0024	.0024	.0044	.0015
57	.317	.0119	.0110	.0028	.0028	.0052	.0018
58	.322	.0100	.0101	.0019	.0019	.0035	.0012
59	.328	.0089	.0091	.0009	.0009	.0017	.0006
60	.333	.0085	.0087	.0005	.0005	.0010	.0003



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 18/ 4/58 AV. T= 7.1 RECORD = JMC130
HOUR = 21 SIG.HGT. = 13.0 UPPER HGT. = 16.0
TOTAL OF =252 CORR. VAR. = 10.6 LOWER HGT. = 12.1
NOISE LEVEL = .0036 WIND SPEED = 30

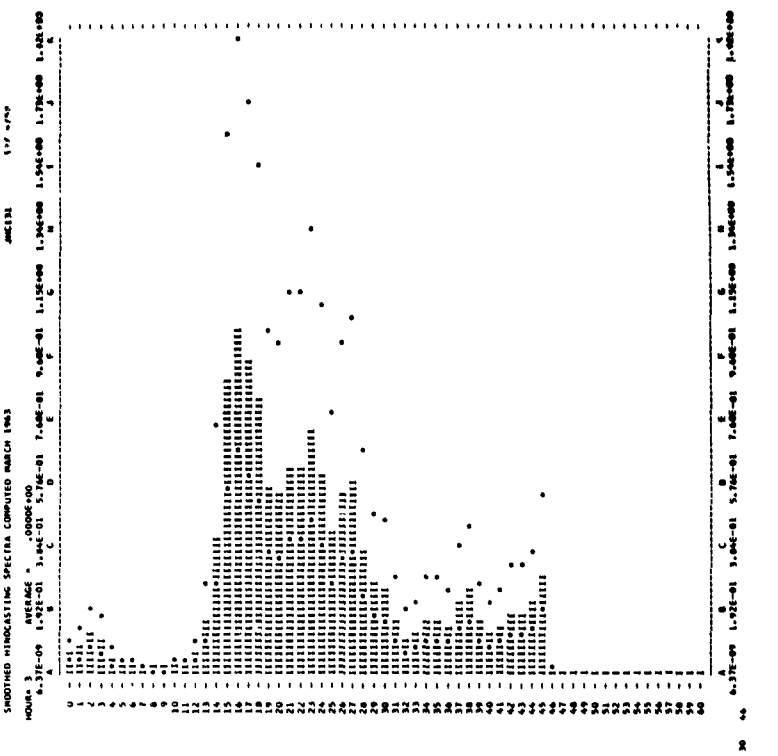
N	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0828	.0828	.0792	.0792	.1459	.0506
1	.006	.0881	.0881	.0845	.0845	.1557	.0538
2	.011	.0868	.0868	.0832	.0832	.1496	.0517
3	.017	.0614	.0614	.0578	.0578	.1065	.0368
4	.022	.0401	.0401	.0365	.0365	.0672	.0232
5	.028	.0288	.0288	.0252	.0252	.0464	.0160
6	.033	.0237	.0237	.0201	.0324	.0598	.0206
7	.039	.0193	.0193	.0117	.0215	.0397	.0137
8	.044	.0119	.0119	.0083	.0103	.0190	.0066
9	.050	.0056	.0056	.0020	.0023	.0043	.0015
10	.056	.0082	.0082	.0006	.0052	.0096	.0033
11	.061	.0184	.0184	.0148	.0167	.0307	.0106
12	.067	.0407	.0407	.0371	.0420	.0775	.0268
13	.072	.0678	.0678	.0642	.0761	.1384	.0672
14	.078	.2216	.2216	.2180	.2587	.4769	.1847
15	.083	.5482	.5482	.5446	.6700	1.2350	.4266
16	.089	.6464	.6464	.6428	.8256	1.5218	.5257
17	.094	.4141	.4141	.4109	.5563	1.0217	.3529
18	.100	.2571	.2571	.2535	.3611	.6670	.2304
19	.106	.1943	.1943	.1557	.2404	.4980	.1661
20	.111	.4468	.4468	.4412	.7165	1.3206	.4562
21	.117	.3676	.3676	.3638	.5937	1.1051	.3818
22	.122	.2851	.2851	.2815	.4700	.8768	.3376
23	.128	.2514	.2514	.2478	.5048	.9323	.3221
24	.133	.1605	.1605	.1569	.3469	.6431	.2222
25	.139	.1290	.1290	.1216	.2995	.5667	.1882
26	.144	.1418	.1418	.1382	.3648	.6816	.2355
27	.150	.1161	.1161	.1079	.3261	.6011	.2077
28	.156	.0706	.0706	.0670	.2192	.4039	.1395
29	.161	.0596	.0596	.0520	.1892	.3468	.1205
30	.167	.0446	.0446	.0410	.1668	.3074	.1062
31	.172	.0518	.0518	.0482	.2199	.4053	.1400
32	.178	.0731	.0731	.0695	.3577	.6593	.2278
33	.183	.0584	.0584	.0548	.3167	.5836	.2029
34	.189	.0292	.0292	.0256	.1691	.3117	.1077
35	.194	.0260	.0260	.0224	.1588	.2928	.1008
36	.200	.0292	.0292	.0216	.1862	.3433	.1186
37	.206	.0186	.0186	.0130	.1286	.2371	.0819
38	.211	.0125	.0125	.0084	.1015	.1871	.0646
39	.217	.0134	.0134	.0098	.1298	.2389	.0825
40	.222	.0142	.0142	.0106	.1634	.3012	.1041
41	.228	.0131	.0127	.0090	.1629	.3002	.1037
42	.233	.0095	.0095	.0054	.1244	.2294	.0792
43	.239	.0064	.0071	.0039	.0862	.1588	.0549
44	.244	.0063	.0067	.0031	.0901	.1661	.0574
45	.250	.0078	.0073	.0037	.1277	.2355	.0813
46	.256	.0073	.0075	.0039	.0038	.0071	.0025
47	.261	.0076	.0076	.0040	.0038	.0070	.0024
48	.267	.0072	.0068	.0032	.0018	.0034	.0012
49	.272	.0067	.0068	.0032	.0012	.0022	.0008
50	.278	.0027	.0034	.0000	.0000	.0000	.0000
51	.283	.0036	.0036	.0000	.0000	.0000	.0000
52	.289	.0062	.0062	.0026	.0006	.0011	.0004
53	.294	.0040	.0041	.0004	.0004	.0008	.0003
54	.300	.0036	.0035	.0000	.0000	.0000	.0000
55	.306	.0030	.0031	.0000	.0000	.0000	.0000
56	.311	.0030	.0033	.0000	.0000	.0000	.0000
57	.317	.0063	.0062	.0031	.0003	.0006	.0002
58	.322	.0063	.0060	.0028	.0004	.0007	.0003
59	.328	.0032	.0033	.0000	.0000	.0000	.0000
60	.333	.0027	.0029	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 19/ 4/58 — AV. T= 7.2 — RECORD = JHC131
HOUR = 3 — SIG.HGT. = 14.7 — UPPER HGT. = 19.8
TOTAL OF =241 — CORR. VAR. = 13.4 — LOWER HGT. = 13.6
NOISE LEVEL = .0050 — WIND SPEED = 30

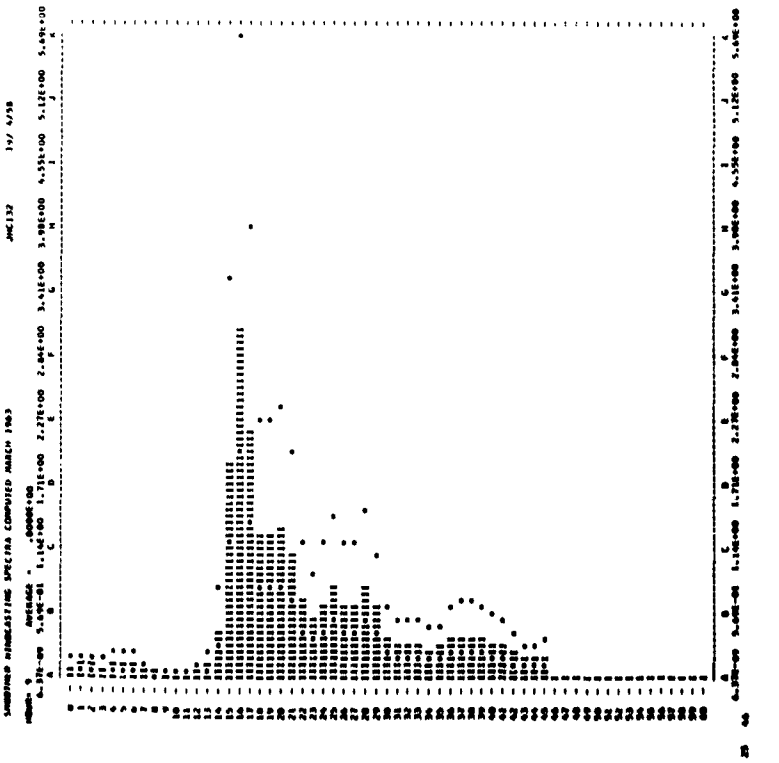
M	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0408	.0408	.0350	.0350	.1013	.0350
1	.006	.0800	.0800	.0742	.0742	.1367	.0472
2	.011	.1150	.1150	.1092	.1092	.2012	.0695
3	.017	.1022	.1022	.0964	.0964	.1776	.0614
4	.022	.0481	.0481	.0423	.0423	.0779	.0269
5	.028	.0233	.0237	.0179	.0179	.0322	.0111
6	.033	.0198	.0199	.0137	.0221	.0407	.0141
7	.039	.0124	.0124	.0066	.0090	.0166	.0058
8	.044	.0182	.0182	.0124	.0129	.0238	.0082
9	.050	.0183	.0183	.0125	.0167	.0270	.0093
10	.056	.0218	.0218	.0187	.0179	.0329	.0114
11	.061	.0257	.0257	.0199	.0224	.0414	.0143
12	.067	.0550	.0550	.0492	.0558	.1028	.0355
13	.072	.1336	.1336	.1278	.1479	.2719	.0939
14	.078	.3510	.3510	.3452	.4097	.7552	.2609
15	.083	.7223	.7223	.7165	.8819	1.6248	.5613
16	.089	.9168	.9168	.9110	1.0417	1.9200	.6633
17	.094	.7012	.7012	.6954	.9390	1.7308	.5978
18	.100	.5860	.5860	.5802	.8283	1.5267	.5274
19	.106	.3769	.3769	.3711	.5638	1.0391	.3590
20	.111	.3429	.3429	.3367	.4648	1.0078	.3482
21	.117	.3630	.3630	.3572	.4231	1.1484	.3967
22	.127	.3360	.3360	.3302	.4216	1.1458	.3958
23	.128	.3606	.3606	.3548	.7263	1.3349	.4612
24	.133	.2769	.2769	.2711	.6029	1.1113	.3839
25	.139	.1798	.1798	.1740	.4236	.7808	.2697
26	.144	.2080	.2080	.2022	.3411	.9974	.3445
27	.150	.2027	.2027	.1969	.9812	1.0713	.3701
28	.156	.1174	.1174	.1116	.3651	.6730	.2325
29	.161	.0784	.0784	.0726	.2643	.4871	.1683
30	.167	.0664	.0664	.0606	.2466	.4545	.1570
31	.172	.0397	.0397	.0339	.1546	.2850	.0985
32	.178	.0251	.0251	.0193	.0992	.1829	.0632
33	.183	.0251	.0251	.0193	.1121	.2067	.0714
34	.189	.0300	.0300	.0242	.1309	.2947	.1018
35	.194	.0271	.0271	.0213	.1604	.2956	.1021
36	.200	.0217	.0217	.0159	.1370	.2526	.0873
37	.206	.0266	.0266	.0208	.2040	.3797	.1312
38	.211	.0268	.0268	.0210	.2400	.4424	.1528
39	.217	.0169	.0169	.0111	.1469	.2708	.0936
40	.222	.0118	.0135	.0077	.1191	.2195	.0758
41	.228	.0137	.0136	.0077	.1395	.2572	.0888
42	.233	.0151	.0141	.0083	.1751	.3228	.1115
43	.239	.0126	.0130	.0071	.1775	.3272	.1130
44	.244	.0116	.0127	.0069	.2017	.3718	.1284
45	.250	.0150	.0141	.0083	.2288	.5323	.1839
46	.256	.0149	.0138	.0080	.0080	.0148	.0051
47	.261	.0106	.0110	.0052	.0052	.0096	.0033
48	.267	.0080	.0082	.0024	.0024	.0045	.0015
49	.272	.0064	.0063	.0005	.0005	.0009	.0003
50	.278	.0045	.0050	.0000	.0000	.0000	.0000
51	.283	.0045	.0045	.0000	.0000	.0000	.0000
52	.289	.0047	.0048	.0000	.0000	.0000	.0000
53	.294	.0055	.0055	.0000	.0000	.0000	.0000
54	.300	.0061	.0064	.0006	.0006	.0011	.0004
55	.306	.0065	.0064	.0006	.0006	.0011	.0004
56	.311	.0059	.0063	.0004	.0004	.0008	.0003
57	.317	.0068	.0066	.0007	.0007	.0014	.0005
58	.322	.0068	.0065	.0007	.0007	.0013	.0004
59	.328	.0057	.0058	.0000	.0000	.0000	.0000
60	.333	.0050	.0053	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 19/ 4/58 — AV. T= 7.5 — RECORD = JHC132
HOUR = 9 — SIG.HGT. = 16.2 — UPPER HGT. = 20.9
TOTAL OF =185 — CORR. VAR. = 23.1 — LOWER HGT. = 17.7
NOISE LEVEL = .0069 — WIND SPEED = 30

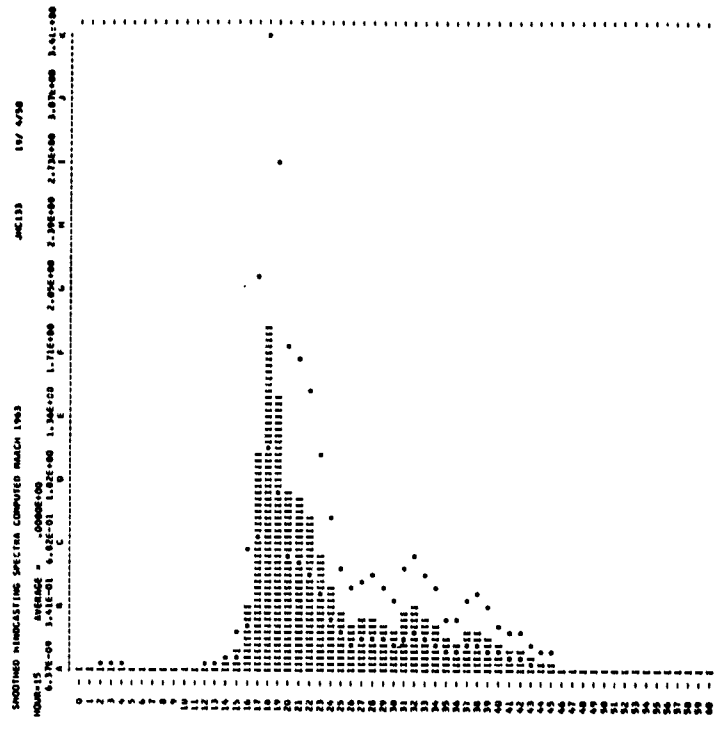
M	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0870	.0870	.0801	.0801	.1476	.0510
1	.006	.1027	.1027	.0958	.0958	.1765	.0610
2	.011	.0949	.0949	.0880	.0880	.1621	.0560
3	.017	.0918	.0918	.0849	.0849	.1564	.0540
4	.022	.1258	.1258	.1189	.1189	.2191	.0757
5	.028	.1202	.1202	.1133	.1133	.2088	.0721
6	.033	.0848	.0848	.0779	.1258	.2319	.0801
7	.039	.0539	.0539	.0470	.0645	.1189	.0411
8	.044	.0378	.0378	.0309	.0384	.0708	.0245
9	.050	.0277	.0277	.0208	.0244	.0450	.0155
10	.056	.0214	.0214	.0145	.0165	.0304	.0105
11	.061	.0207	.0207	.0138	.0155	.0286	.0099
12	.067	.0516	.0516	.0447	.0507	.0934	.0323
13	.072	.1058	.1058	.0989	.1142	.2104	.0727
14	.078	.3653	.3653	.3584	.4254	.7840	.2709
15	.083	1.5542	1.5542	1.5473	1.9038	3.5089	1.2122
16	.089	2.4091	2.4091	2.4022	3.0856	5.6872	1.9647
17	.094	1.6174	1.6174	1.6105	2.1768	4.0084	1.3848
18	.100	.8774	.8774	.8705	1.2428	2.2906	.7913
19	.106	.8235	.8235	.8166	1.2406	2.2866	.7899
20	.111	.8031	.8031	.7962	1.2931	2.3833	.8233
21	.117	.6223	.6223	.6154	1.0734	1.9785	.6835
22	.122	.3554	.3554	.3485	.6561	1.2093	.4178
23	.128	.2508	.2508	.2439	.4979	.9176	.3170
24	.133	.2918	.2918	.2849	.6336	1.1679	.4035
25	.139	.3243	.3243	.3174	.7728	1.4243	.4920
26	.144	.2454	.2454	.2385	.6383	1.1764	.4066
27	.150	.2228	.2228	.2159	.6373	1.1746	.4059
28	.156	.2508	.2508	.2439	.7980	1.4709	.5081
29	.161	.1720	.1720	.1651	.6011	1.1079	.3827
30	.167	.0925	.0925	.0856	.3684	.6921	.2218
31	.172	.0688	.0688	.0619	.2824	.5206	.1798
32	.178	.0583	.0583	.0514	.2665	.4875	.1684
33	.183	.0563	.0563	.0494	.2873	.5295	.1829
34	.189	.0490	.0490	.0381	.2917	.4660	.1603
35	.194	.0416	.0416	.0347	.2613	.4816	.1664
36	.200	.0460	.0460	.0391	.3373	.6217	.2148
37	.206	.0434	.0434	.0365	.3616	.6665	.2303
38	.211	.0387	.0387	.0318	.3936	.6701	.2315
39	.217	.0318	.0318	.0249	.3299	.6081	.2101
40	.222	.0268	.0269	.0200	.3083	.5683	.1963
41	.228	.0223	.0218	.0148	.2673	.4926	.1702
42	.233	.0151	.0151	.0097	.2051	.3780	.1306
43	.239	.0129	.0134	.0065	.1612	.2971	.1026
44	.244	.0122	.0126	.0055	.1604	.2957	.1021
45	.250	.0123	.0125	.0054	.1928	.3554	.1228
46	.256	.0130	.0131	.0061	.0061	.0112	.0039
47	.261	.0135	.0133	.0064	.0064	.0117	.0041
48	.267	.0131	.0131	.0062	.0062	.0114	.0039
49	.272	.0128	.0123	.0054	.0054	.0100	.0034
50	.278	.0107	.0107	.0038	.0038	.0070	.0024
51	.283	.0088	.0099	.0029	.0029	.0053	.0018
52	.289	.0096	.0099	.0028	.0028	.0048	.0016
53	.294	.0101	.0099	.0028	.0028	.0056	.0019
54	.300	.0100	.0093	.0024	.0024	.0044	.0015
55	.306	.0071	.0078	.0009	.0009	.0016	.0006
56	.311	.0048	.0053	.0000	.0000	.0000	.0000
57	.317	.0046	.0045	.0000	.0000	.0000	.0000
58	.322	.0048	.0043	.0000	.0000	.0000	.0000
59	.328	.0046	.0046	.0000	.0000	.0000	.0000
60	.333	.0045	.0050	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 19/ 4/58 AV. T= 7.3 RECORD = JHC133
HOUR = 15 SIG.HGT. = 14.4 UPPER HGT. = 15.8
TOTAL OF =152 CORR. VAR. = 12.9 LOWER HGT. = 13.1
NOISE LEVEL = .0052 WIND SPEED = 25

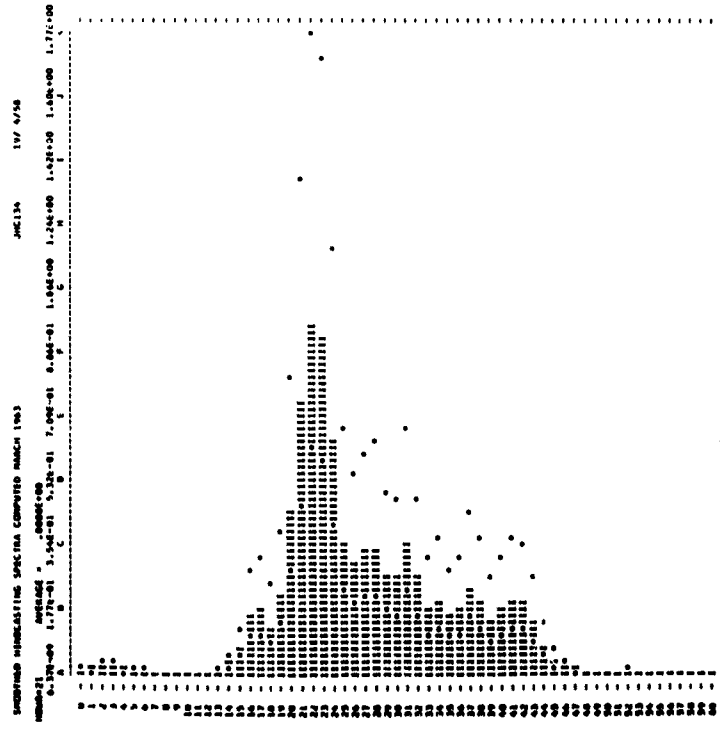
N	FRE. UNIT=PT.2	FILTERED	-NOISE	CORR.PT.2	UPPER	LOWER
0	.000	.0060	.0060	.0000	.0000	.0019	.0019
1	.006	.0102	.0102	.0058	.0058	.0092	.0032
2	.011	.0177	.0177	.0129	.0129	.0230	.0080
3	.017	.0168	.0168	.0166	.0166	.0309	.0093
4	.022	.0170	.0170	.0118	.0118	.0217	.0075
5	.028	.0135	.0135	.0083	.0083	.0153	.0053
6	.033	.0090	.0090	.0038	.0061	.0113	.0039
7	.039	.0090	.0090	.0038	.0000	.0000	.0000
8	.044	.0041	.0041	.0000	.0000	.0000	.0000
9	.050	.0057	.0057	.0005	.0006	.0011	.0004
10	.056	.0065	.0065	.0013	.0015	.0027	.0009
11	.061	.0088	.0088	.0036	.0041	.0075	.0026
12	.067	.0139	.0139	.0087	.0099	.0182	.0063
13	.072	.0193	.0193	.0161	.0183	.0300	.0104
14	.078	.0441	.0441	.0389	.0462	.0851	.0294
15	.083	.0968	.0968	.0908	.1117	.2058	.0711
16	.089	.2770	.2770	.2718	.3491	.6435	.2223
17	.094	.8596	.8596	.8504	1.1686	2.1166	.7312
18	.100	1.3016	1.3016	1.2962	1.8586	3.4109	1.1781
19	.106	.9795	.9795	.9703	1.4742	2.7171	.9387
20	.111	.5883	.5883	.5831	.9470	1.7455	.6030
21	.117	.5291	.5291	.5239	.9139	1.6844	.5819
22	.122	.4379	.4379	.4323	.8139	1.5002	.5183
23	.128	.3183	.3183	.3091	.6229	1.1480	.3966
24	.133	.2059	.2059	.2007	.4464	.8228	.2843
25	.139	.1263	.1263	.1211	.2949	.5435	.1878
26	.144	.0952	.0952	.0900	.2409	.4440	.1534
27	.150	.0925	.0925	.0873	.2577	.4750	.1641
28	.156	.0924	.0924	.0872	.2894	.5260	.1817
29	.161	.0726	.0726	.0674	.2454	.4524	.1563
30	.167	.0568	.0568	.0516	.2101	.3872	.1338
31	.172	.0496	.0496	.0444	.2940	.4419	.1072
32	.178	.0694	.0694	.0642	.3306	.4093	.4109
33	.183	.0536	.0536	.0484	.2816	.5191	.1795
34	.189	.0412	.0412	.0360	.2381	.4388	.1516
35	.194	.0258	.0258	.0206	.1953	.2862	.0989
36	.200	.0219	.0219	.0167	.1442	.2658	.0918
37	.206	.0259	.0259	.0207	.2053	.3784	.1307
38	.211	.0239	.0239	.0187	.2140	.3945	.1363
39	.217	.0190	.0190	.0138	.1831	.3375	.1166
40	.222	.0131	.0141	.0089	.1380	.2544	.0878
41	.228	.0116	.0116	.0064	.1153	.2124	.0734
42	.233	.0109	.0100	.0048	.1018	.1877	.0649
43	.239	.0077	.0081	.0029	.0728	.1339	.0463
44	.244	.0066	.0068	.0016	.0477	.0879	.0304
45	.250	.0064	.0066	.0015	.0505	.0930	.0321
46	.256	.0072	.0070	.0018	.0018	.0034	.0012
47	.261	.0073	.0070	.0018	.0018	.0033	.0011
48	.267	.0062	.0064	.0012	.0012	.0023	.0008
49	.272	.0060	.0059	.0008	.0008	.0014	.0005
50	.278	.0056	.0057	.0005	.0005	.0009	.0003
51	.283	.0055	.0061	.0009	.0009	.0016	.0006
52	.289	.0077	.0073	.0021	.0021	.0038	.0013
53	.294	.0082	.0074	.0022	.0022	.0041	.0014
54	.300	.0055	.0057	.0005	.0005	.0009	.0003
55	.306	.0035	.0039	.0000	.0000	.0000	.0000
56	.311	.0033	.0036	.0000	.0000	.0000	.0000
57	.317	.0043	.0041	.0000	.0000	.0000	.0000
58	.322	.0047	.0046	.0000	.0000	.0000	.0000
59	.328	.0046	.0046	.0000	.0000	.0000	.0000
60	.333	.0047	.0046	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 19/ 4/58 AV. T= 6.6 RECORD = JHC134
HOUR = 21 SIG.HGT. = 12.2 UPPER HGT. = 13.2
TOTAL OF =202 CORR. VAR. = 9.2 LOWER HGT. = 11.2
NOISE LEVEL = .0027 WIND SPEED = 25

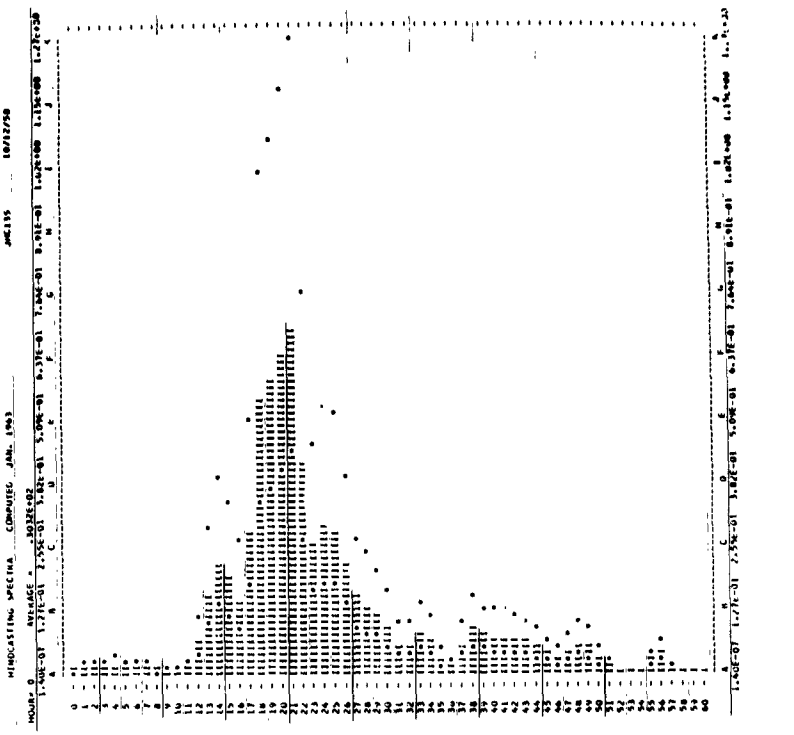
N	FRE. UNIT=PT.2	FILTERED	-NOISE	CORR.PT.2	UPPER	LOWER
0	.000	.0104	.0104	.0077	.0077	.0142	.0049
1	.006	.0163	.0163	.0136	.0136	.0251	.0087
2	.011	.0250	.0250	.0223	.0223	.0411	.0142
3	.017	.0234	.0234	.0207	.0207	.0382	.0132
4	.022	.0156	.0156	.0129	.0129	.0238	.0082
5	.028	.0100	.0100	.0073	.0073	.0135	.0046
6	.033	.0077	.0077	.0050	.0081	.0149	.0051
7	.039	.0059	.0059	.0032	.0044	.0081	.0028
8	.044	.0043	.0043	.0016	.0020	.0037	.0013
9	.050	.0047	.0047	.0020	.0024	.0043	.0015
10	.056	.0044	.0044	.0017	.0019	.0036	.0012
11	.061	.0030	.0030	.0003	.0003	.0006	.0002
12	.067	.0028	.0028	.0001	.0001	.0002	.0001
13	.072	.0076	.0076	.0049	.0057	.0105	.0036
14	.078	.0251	.0251	.0224	.0246	.0498	.0169
15	.083	.0612	.0612	.0585	.0720	.1327	.0458
16	.089	.1219	.1219	.1192	.1531	.2822	.0975
17	.094	.1326	.1326	.1299	.1794	.3233	.1117
18	.100	.0954	.0954	.0927	.1326	.2439	.0843
19	.106	.1443	.1443	.1416	.2151	.3965	.1370
20	.111	.2741	.2741	.2714	.4408	.8124	.2807
21	.117	.4252	.4252	.4225	.7370	1.3584	.4693
22	.122	.5134	.5134	.5107	.9616	1.7723	.6123
23	.128	.4544	.4544	.4517	.9222	1.6997	.5872
24	.133	.2877	.2877	.2850	.6339	1.1684	.4036
25	.139	.1510	.1510	.1483	.3611	.6656	.2299
26	.144	.1157	.1157	.1130	.3025	.5575	.1926
27	.150	.1150	.1150	.1123	.3316	.6111	.2111
28	.156	.1078	.1078	.1051	.3439	.6339	.2190
29	.161	.0772	.0772	.0745	.2713	.5000	.1727
30	.167	.0676	.0676	.0649	.2642	.4870	.1683
31	.172	.0817	.0817	.0790	.3607	.6648	.2297
32	.178	.0532	.0532	.0505	.2600	.4793	.1656
33	.183	.0325	.0325	.0298	.1734	.3196	.1104
34	.189	.0334	.0334	.0307	.2021	.3725	.1243
35	.194	.0235	.0235	.0208	.1568	.2890	.0999
36	.200	.0233	.0233	.0206	.1779	.3279	.1133
37	.206	.0260	.0260	.0241	.2390	.4406	.1522
38	.211	.0201	.0201	.0174	.1992	.3671	.1268
39	.217	.0158	.0158	.0131	.1673	.2715	.0938
40	.222	.0142	.0142	.0115	.1778	.3263	.1127
41	.228	.0169	.0139	.0112	.2018	.3719	.1285
42	.233	.0126	.0119	.0092	.1963	.3588	.1237
43	.239	.0103	.0096	.0069	.1629	.2633	.0910
44	.244	.0090	.0093	.0026	.0771	.1421	.0491
45	.250	.0054	.0057	.0010	.0348	.0627	.0217
46	.256	.0031	.0031	.0005	.0188	.0346	.0119
47	.261	.0030	.0027	.0000	.0128	.0000	.0000
48	.267	.0027	.0027	.0000	.0000	.0000	.0000
49	.272	.0024	.0023	.0000	.0000	.0000	.0000
50	.278	.0019	.0019	.0000	.0000	.0000	.0000
51	.283	.0018	.0017	.0000	.0000	.0000	.0000
52	.289	.0027	.0027	.0000	.0000	.0000	.0000
53	.294	.0040	.0034	.0007	.0007	.0012	.0004
54	.300	.0028	.0028	.0001	.0001	.0002	.0001
55	.306	.0016	.0021	.0000	.0000	.0000	.0000
56	.311	.0023	.0022	.0000	.0000	.0000	.0000
57	.317	.0027	.0024	.0000	.0000	.0000	.0000
58	.322	.0031	.0029	.0000	.0000	.0000	.0000
59	.328	.0031	.0031	.0005	.0005	.0008	.0003
60	.333	.0043	.0037	.0010	.0010	.0018	.0006



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 10/12/58 AV. T= 7.1 RECORD = JMC135
HOUR = 0 SIG.HGT. = 10.5 UPPER HGT. = 11.2
TOTAL OF =193 CURR. VAR. = 8.7 LOWER HGT. = 9.4
NOISE LEVEL = .0033 WIND SPEED = 30

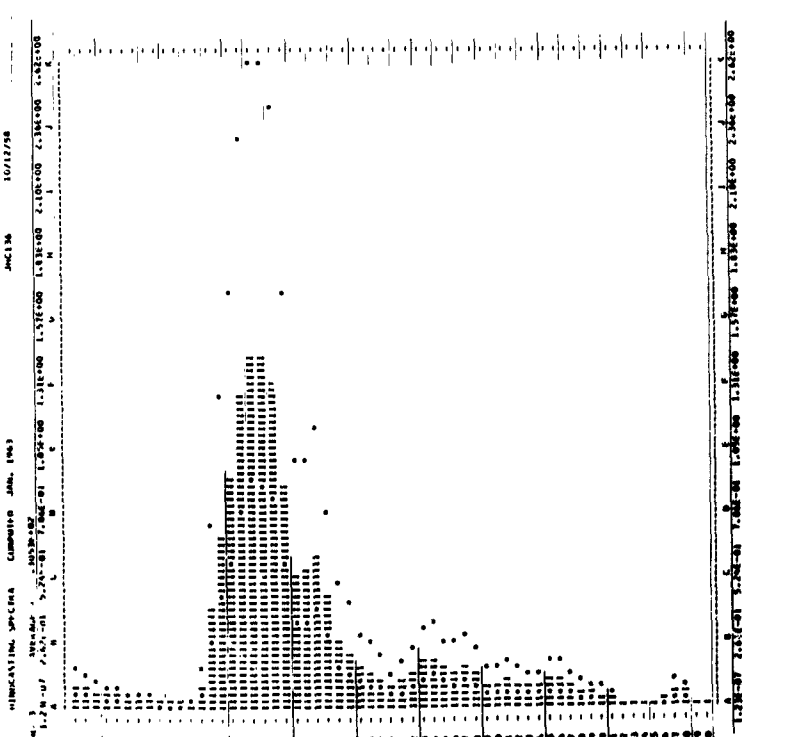
M	FREQ.	UNITS*FT.2 FILTERED -NOISE		CURR.FT.2	UPPER	LOWER
0	.000	.3125	.0125	.0092	.0032	.0184	.0098
1	.006	.0158	.0158	.0125	.0125	.0230	.0080
2	.011	.0166	.0166	.0132	.0132	.0244	.0084
3	.017	.0197	.0197	.0164	.0186	.0302	.0106
4	.022	.0223	.0223	.0185	.0185	.0349	.0121
5	.028	.0149	.0149	.0119	.0119	.0213	.0091
6	.033	.0118	.0118	.0085	.0136	.0247	.0089
7	.039	.0126	.0126	.0091	.0120	.0222	.0077
8	.044	.0103	.0103	.0070	.0043	.0193	.0093
9	.050	.0089	.0089	.0056	.0062	.0114	.0034
10	.056	.0069	.0067	.0046	.0028	.0070	.0024
11	.061	.0145	.0145	.0112	.0116	.0214	.0076
12	.067	.0661	.0661	.0628	.0644	.1187	.0410
13	.072	.1572	.1572	.1538	.1579	.2909	.1005
14	.078	.2091	.2091	.2058	.2130	.3925	.1356
15	.083	.1838	.1838	.1805	.1898	.3498	.1209
16	.089	.1365	.1365	.1332	.1417	.2611	.0902
17	.094	.2548	.2548	.2515	.2775	.5115	.1767
18	.100	.4833	.4833	.4800	.5665	1.0072	.3480
19	.106	.4973	.4973	.4940	.5831	1.0748	.3713
20	.111	.4230	.4230	.5197	.6382	1.1763	.4064
21	.117	.4972	.4972	.5389	.6907	1.2731	.4398
22	.124	.3128	.3128	.3095	.4154	.7657	.2645
23	.128	.1611	.1611	.1780	.2510	.4627	.1598
24	.133	.1579	.1579	.1545	.2813	.5187	.1842
25	.139	.1892	.1892	.1818	.2861	.5273	.1821
26	.144	.1311	.1311	.1278	.2132	.3928	.1357
27	.150	.0863	.0863	.0830	.1471	.2712	.0937
28	.156	.0713	.0713	.0680	.1187	.2188	.0813
29	.161	.0566	.0566	.0533	.1114	.2054	.0710
30	.167	.0440	.0440	.0407	.0884	.1629	.0463
31	.172	.0261	.0261	.0228	.0532	.0981	.0339
32	.178	.0260	.0260	.0207	.0520	.0959	.0331
33	.183	.0304	.0304	.0271	.0716	.1320	.0469
34	.189	.0247	.0247	.0214	.0630	.1162	.0401
35	.194	.0117	.0117	.0084	.0269	.0496	.0171
36	.200	.0080	.0080	.0046	.0162	.0298	.0103
37	.206	.0174	.0174	.0141	.0535	.0987	.0341
38	.211	.0238	.0238	.0205	.0896	.1978	.0545
39	.217	.0191	.0191	.0158	.0723	.1333	.0460
40	.222	.0134	.0166	.0133	.0668	.1232	.0425
41	.228	.0155	.0155	.0119	.0564	.1221	.0421
42	.233	.0141	.0139	.0108	.0652	.1201	.0415
43	.239	.0119	.0119	.0086	.0584	.1077	.0372
44	.244	.0096	.0095	.0062	.0470	.0866	.0299
45	.250	.0070	.0072	.0039	.0329	.0607	.0210
46	.256	.0059	.0062	.0029	.0270	.0498	.0172
47	.261	.0070	.0071	.0038	.0339	.0735	.0254
48	.267	.0090	.0080	.0037	.0553	.1029	.0355
49	.272	.0072	.0070	.0036	.0488	.0899	.0311
50	.278	.0046	.0051	.0018	.0266	.0490	.0169
51	.283	.0040	.0040	.0007	.0117	.0216	.0075
52	.289	.0035	.0035	.0001	.0029	.0054	.0018
53	.294	.0029	.0030	.0000	.0000	.0000	.0000
54	.300	.0026	.0030	.0000	.0000	.0000	.0000
55	.306	.0041	.0040	.0007	.0197	.0362	.0125
56	.311	.0053	.0045	.0011	.0372	.0684	.0237
57	.317	.0032	.0034	.0001	.0037	.0068	.0024
58	.322	.0021	.0025	.0000	.0000	.0000	.0000
59	.328	.0027	.0026	.0000	.0000	.0000	.0000
60	.333	.0028	.0029	.0000	.0000	.0000	.0000



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 10/12/58 AV. T= 7.6 RECORD = JMC136
HOUR = 3 SIG.HGT. = 15.0 UPPER HGT. = 16.4
TOTAL OF =179 CURR. VAR. = 14.1 LOWER HGT. = 13.8
NOISE LEVEL = .0040 WIND SPEED = 30

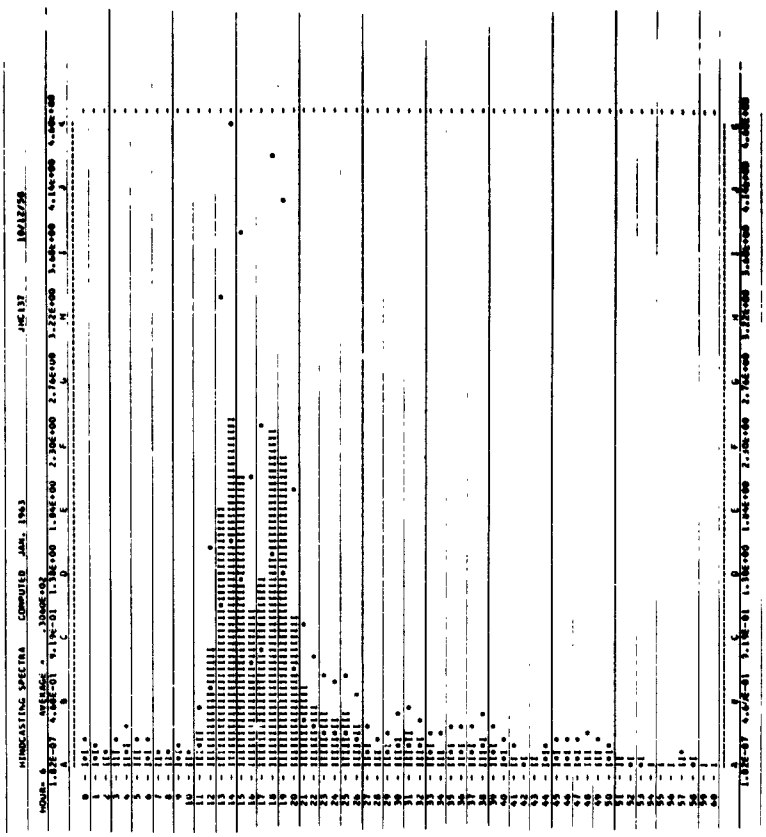
M	FREQ.	UNITS*FT.2 FILTERED -NOISE		CURR.FT.2	UPPER	LOWER
0	.000	.0843	.0843	.0403	.0803	.1680	.0511
1	.006	.0817	.0817	.0777	.0777	.1693	.0495
2	.011	.0688	.0688	.0428	.0628	.1159	.0400
3	.017	.0536	.0534	.0446	.0696	.0914	.0316
4	.022	.0437	.0439	.0400	.0400	.0737	.0246
5	.028	.0293	.0293	.0254	.0254	.0468	.0162
6	.033	.0249	.0249	.0209	.0329	.0607	.0210
7	.039	.0267	.0267	.0208	.0276	.0508	.0175
8	.044	.0210	.0210	.0171	.0203	.0374	.0129
9	.050	.0168	.0168	.0129	.0143	.0263	.0091
10	.056	.0220	.0220	.0180	.0192	.0354	.0122
11	.061	.0151	.0151	.0111	.0116	.0213	.0074
12	.067	.0854	.0854	.0814	.0835	.1539	.0532
13	.072	.1856	.1856	.1816	.1916	.3527	.1193
14	.078	.3688	.3688	.3648	.3881	1.2082	.4381
15	.083	.4718	.4718	.4674	.9124	1.6817	.5410
16	.089	1.1763	1.1763	1.1724	1.2406	2.2976	.7938
17	.094	1.2928	1.2928	1.2885	1.4221	2.6212	.9055
18	.100	1.2482	1.2482	1.2443	1.4185	2.6107	.9019
19	.106	1.1235	1.1235	1.1195	1.3216	2.4359	.8415
20	.111	.7396	.7396	.7354	.9011	1.6845	.5750
21	.117	.4208	.4208	.4170	.5344	.9850	.3403
22	.122	.4081	.4081	.4041	.5328	.9769	.3417
23	.128	.2335	.2335	.2294	.4043	1.1186	.3857
24	.133	.2349	.2349	.2309	.4327	.7975	.2755
25	.139	.1721	.1721	.1682	.2645	.4876	.1686
26	.144	.1364	.1364	.1329	.2214	.4088	.1412
27	.150	.0934	.0934	.0894	.1586	.2923	.1010
28	.156	.0796	.0796	.0757	.1432	.2634	.0912
29	.161	.0573	.0573	.0534	.1079	.1969	.0687
30	.167	.0365	.0369	.0306	.0663	.1223	.0422
31	.172	.0466	.0466	.0428	.0791	.1451	.0832
32	.178	.0473	.0473	.0433	.1362	.2674	.0859
33	.183	.0670	.0670	.0630	.1716	.3159	.1041
34	.189	.0676	.0676	.0637	.1678	.3438	.1179
35	.194	.0501	.0501	.0463	.1486	.2735	.0945
36	.200	.0437	.0437	.0367	.1388	.2555	.0883
37	.206	.0435	.0435	.0395	.1504	.2772	.0958
38	.211	.0361	.0361	.0302	.1259	.2326	.0801
39	.217	.0224	.0224	.0184	.0844	.1556	.0538
40	.222	.0270	.0270	.0180	.0967	.1671	.0577
41	.228	.0217	.0217	.0177	.0985	.1816	.0627
42	.233	.0195	.0196	.0144	.0887	.1635	.0565
43	.239	.0124	.0149	.0101	.0687	.1267	.0438
44	.244	.0120	.0136	.0096	.0715	.1318	.0454
45	.250	.0108	.0114	.0114	.0963	.1775	.0613
46	.256	.0159	.0147	.0107	.1010	.1862	.0643
47	.261	.0101	.0112	.0072	.0767	.1413	.0488
48	.267	.0088	.0088	.0048	.0579	.1080	.0366
49	.272	.0075	.0076	.0035	.0479	.0882	.0304
50	.278	.0063	.0065	.0025	.0379	.0691	.0239
51	.283	.0057	.0057	.0013	.0225	.0415	.0143
52	.289	.0035	.0037	.0000	.0000	.0000	.0000
53	.294	.0027	.0025	.0000	.0000	.0000	.0000
54	.300	.0022	.0026	.0000	.0000	.0000	.0000
55	.306	.0030	.0033	.0000	.0000	.0000	.0000
56	.311	.0048	.0046	.0006	.0146	.0261	.0125
57	.317	.0096	.0055	.0016	.0369	.0648	.0246
58	.322	.0053	.0051	.0011	.0277	.0496	.0163
59	.328	.0041	.0041	.0001	.0056	.0106	.0031
60	.333	.0029	.0029	.0000	.0000	.0000	.0000



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 10/12/58 AV. T= 8.4 RECORD = JMC137
HOUR = 0 SIG.HGT. = 11.0 UPPER HGT. = 40.5
TOTAL DF =156 CORR. VAR. = 21.6 LOWER HGT. = 17.0
NOISE LEVEL = .0070 WIND SPEED = 39.

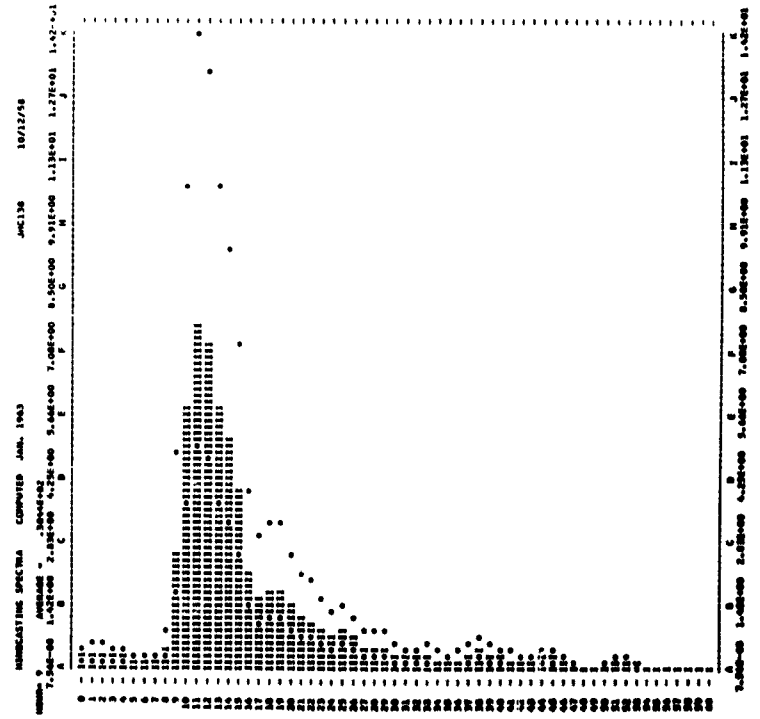
M	FRQ.	UNFILT-FI,2	FILTERED	-NOISE	CORR.FI,2	UPPER	LOWER
0	.000	.0000	.0000	.0011	.0011	.1679	.0260
1	.006	.0813	.0813	.0748	.0748	.1364	.0471
2	.011	.0000	.0000	.0000	.0000	.1000	.0376
3	.017	.1163	.1163	.1152	.1152	.2081	.0710
4	.022	.1317	.1317	.1452	.1452	.2683	.0969
5	.028	.1174	.1174	.1162	.1162	.2831	.0782
6	.033	.0788	.0788	.0858	.1027	.1912	.0608
7	.039	.0482	.0482	.0480	.0672	.1085	.0345
8	.044	.0519	.0519	.0500	.0672	.1053	.0364
9	.050	.0511	.0511	.0439	.0704	.1301	.0432
10	.056	.0855	.0855	.0877	.0913	.1538	.0539
11	.061	.2166	.2166	.2080	.2147	.3045	.1338
12	.067	.4237	.4237	.4159	.4369	1.5923	.3329
13	.072	.7827	.7827	1.1865	1.0313	1.5781	1.1861
14	.078	2.4171	2.4171	2.4093	2.4936	4.5961	1.3878
15	.083	1.9788	1.9788	1.9711	2.0726	3.8193	1.3196
16	.089	1.0962	1.0962	1.0884	1.1281	2.0845	.7138
17	.094	1.0962	1.0962	1.0884	1.1281	2.0845	.7138
18	.100	2.0968	2.0968	2.0890	2.3781	4.2832	1.5162
19	.106	1.8575	1.8575	1.8498	2.1836	4.0248	1.3904
20	.111	.6721	.6721	.6643	1.0614	1.9843	.6798
21	.117	.4766	.4766	.4688	.7963	.9893	.3418
22	.122	.3180	.3180	.3082	.4137	.7826	.2634
23	.128	.2978	.2978	.2892	.3815	.6479	.2238
24	.133	.2263	.2263	.2185	.3230	.5990	.2069
25	.139	.2780	.2780	.2702	.3444	.6386	.2206
26	.144	.1667	.1667	.1590	.2652	.4888	.1689
27	.150	.0871	.0871	.0793	.1457	.2691	.0896
28	.156	.0859	.0859	.0288	.1101	.2029	.0701
29	.161	.0758	.0758	.0680	.1121	.2151	.0661
30	.167	.0954	.0954	.0877	.1903	.3507	.1211
31	.172	.1006	.1006	.0928	.2165	.3990	.1378
32	.178	.0807	.0807	.0729	.1835	.3381	.1168
33	.183	.0576	.0576	.0498	.1354	.2499	.0862
34	.189	.0461	.0461	.0383	.1129	.2081	.0713
35	.194	.0522	.0522	.0444	.1422	.2622	.0906
36	.200	.0496	.0496	.0419	.1461	.2693	.0930
37	.206	.0469	.0469	.0367	.1398	.2579	.0891
38	.211	.0532	.0532	.0455	.1897	.3496	.1208
39	.217	.0416	.0416	.0339	.1592	.2860	.0988
40	.222	.0293	.0281	.0206	.1027	.1894	.0654
41	.228	.0199	.0193	.0118	.0836	.1171	.0405
42	.233	.0114	.0136	.0056	.0346	.0637	.0220
43	.239	.0107	.0151	.0053	.0363	.0669	.0231
44	.244	.0194	.0176	.0098	.0746	.1375	.0475
45	.250	.0208	.0196	.0119	.1004	.1850	.0639
46	.256	.0175	.0184	.0106	.1000	.1843	.0637
47	.261	.0176	.0176	.0098	.1038	.1914	.0661
48	.267	.0176	.0173	.0096	.1138	.2097	.0725
49	.272	.0164	.0159	.0082	.1062	.2015	.0698
50	.278	.0130	.0129	.0051	.0768	.1415	.0489
51	.283	.0088	.0069	.0021	.0361	.0666	.0230
52	.289	.0089	.0090	.0012	.0233	.0430	.0149
53	.294	.0093	.0089	.0011	.0241	.0444	.0154
54	.300	.0078	.0080	.0002	.0200	.0368	.0128
55	.306	.0066	.0072	.0000	.0000	.0000	.0000
56	.311	.0075	.0074	.0002	.0050	.0093	.0032
57	.317	.0101	.0093	.0015	.0364	.1039	.0359
58	.322	.0078	.0084	.0005	.0000	.0000	.0000
59	.328	.0064	.0074	.0000	.0000	.0000	.0000
60	.333	.0026	.0038	.0000	.0000	.0000	.0000



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 10/12/58 AV. T= 10.0 RECORD = JMC138
HOUR = 0 SIG.HGT. = 31.0 UPPER HGT. = 34.1
TOTAL DF =144 CORR. VAR. = 80.1 LOWER HGT. = 28.2
NOISE LEVEL = .0717 WIND SPEED = 0

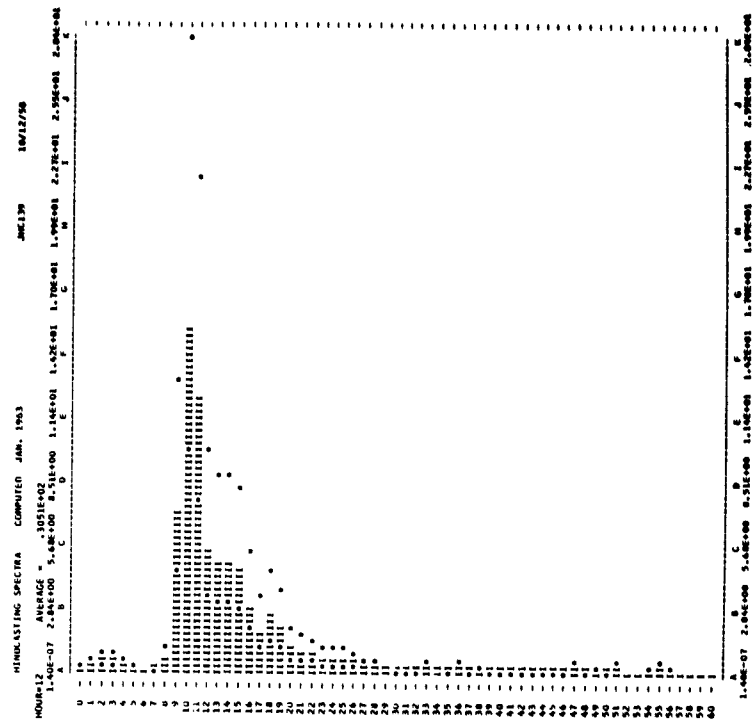
M	FRQ.	UNFILT-FI,2	FILTERED	-NOISE	CORR.FI,2	UPPER	LOWER
1	.006	.2320	.2320	.2316	.2316	.4268	.1675
2	.011	.3047	.3047	.2635	.2635	.4225	.1805
3	.017	.2910	.2910	.2698	.2698	.4972	.1718
4	.022	.2821	.2821	.2667	.2667	.4878	.1711
5	.028	.2579	.2579	.2667	.2667	.4916	.1638
6	.033	.1711	.1711	.1499	.1499	.2762	.0954
7	.039	.1156	.1156	.0944	.1447	.2741	.0967
8	.044	.1227	.1227	.1010	.1341	.2471	.0854
9	.050	.0163	.0163	.0951	.1704	.3671	.2995
10	.056	5.9418	5.9418	5.9206	7.4787	6.7816	1.6400
11	.061	5.5238	5.5238	5.5026	5.8492	10.7810	3.7244
12	.067	7.4271	7.4271	7.4059	7.8836	14.1620	4.9924
13	.072	7.0839	7.0839	7.0627	7.7442	13.9521	4.6127
14	.078	5.7008	5.7008	5.6886	5.8365	10.7578	3.7163
15	.083	6.9385	6.9385	6.9173	5.0894	9.1805	3.2008
16	.089	5.7356	5.7356	5.7144	5.9853	7.1981	2.4867
17	.094	2.8438	2.8438	2.8226	2.1506	3.9629	1.3699
18	.100	1.4848	1.4848	1.4638	1.6140	2.9748	1.0277
19	.106	1.5445	1.5445	1.5233	1.7569	3.2382	1.1187
20	.111	1.5184	1.5184	1.4952	1.7651	3.2533	1.1239
21	.117	1.1600	1.1600	1.1194	1.3749	2.5361	.8754
22	.122	.8911	.8911	.8699	1.1149	2.0549	.7099
23	.128	.8081	.8081	.7869	1.0564	1.9470	.6726
24	.133	.6871	.6871	.5899	.8265	1.5233	.5262
25	.139	.4998	.4998	.4778	.7105	1.3095	.4524
26	.144	.5176	.5176	.4962	.7866	1.4507	.4970
27	.150	.4093	.4093	.3881	.6475	1.1934	.4123
28	.156	.2613	.2613	.2401	.4256	.7848	.2711
29	.161	.2541	.2541	.2329	.4406	.8122	.2806
30	.167	.2378	.2378	.2166	.4381	.8075	.2790
31	.172	.1726	.1726	.1514	.3207	.5912	.2043
32	.178	.1145	.1145	.0933	.2177	.4012	.1386
33	.183	.1134	.1134	.0922	.2320	.4276	.1477
34	.189	.1213	.1213	.1001	.2720	.5013	.1732
35	.194	.0919	.0919	.0707	.2084	.3841	.1327
36	.200	.0716	.0716	.0504	.1613	.2973	.1027
37	.206	.0791	.0791	.0579	.2020	.3722	.1286
38	.211	.1006	.1006	.0794	.3023	.5572	.1925
39	.217	.1110	.1110	.0898	.3570	.6579	.2273
40	.222	.0959	.0959	.0747	.3194	.5886	.2034
41	.228	.0678	.0782	.0648	.2471	.4555	.1574
42	.233	.0944	.0958	.0944	.1925	.3548	.1226
43	.239	.0467	.0468	.0276	.1690	.3131	.1082
44	.244	.0476	.0478	.0286	.1811	.3338	.1153
45	.250	.0498	.0498	.0286	.2191	.3964	.1370
46	.256	.0522	.0495	.0283	.2393	.4414	.1525
47	.261	.0498	.0498	.0286	.2390	.4408	.1378
48	.267	.0219	.0256	.0042	.0449	.0827	.0286
49	.272	.0139	.0169	.0000	.0000	.0000	.0000
50	.278	.0109	.0191	.0000	.0000	.0000	.0000
51	.283	.0253	.0251	.0041	.0623	.1148	.0397
52	.289	.0319	.0301	.0089	.1513	.2788	.0963
53	.294	.0332	.0299	.0087	.1678	.3092	.1068
54	.300	.0291	.0252	.0040	.0000	.0000	.0000
55	.306	.0193	.0212	.0000	.0000	.0000	.0000
56	.311	.0163	.0164	.0000	.0000	.0000	.0000
57	.317	.0146	.0153	.0000	.0000	.0000	.0000
58	.322	.0138	.0177	.0000	.0000	.0000	.0000
59	.328	.0243	.0216	.0000	.0109	.0198	.0000
60	.333	.0210	.0198	.0000	.0000	.0000	.0000
61	.339	.0117	.0163	.0000	.0000	.0000	.0000



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 10/12/58 AV. T= 10.7 RECORD = JHC139
HOUR = 12 SIG.HGT. = 34.9 UPPER HGT. = 39.1
TOTAL DF =104 CORR. VAR. = 79.2 LOWER HGT. = 31.2
NOISE LEVEL = .0919 WIND SPEED = 45

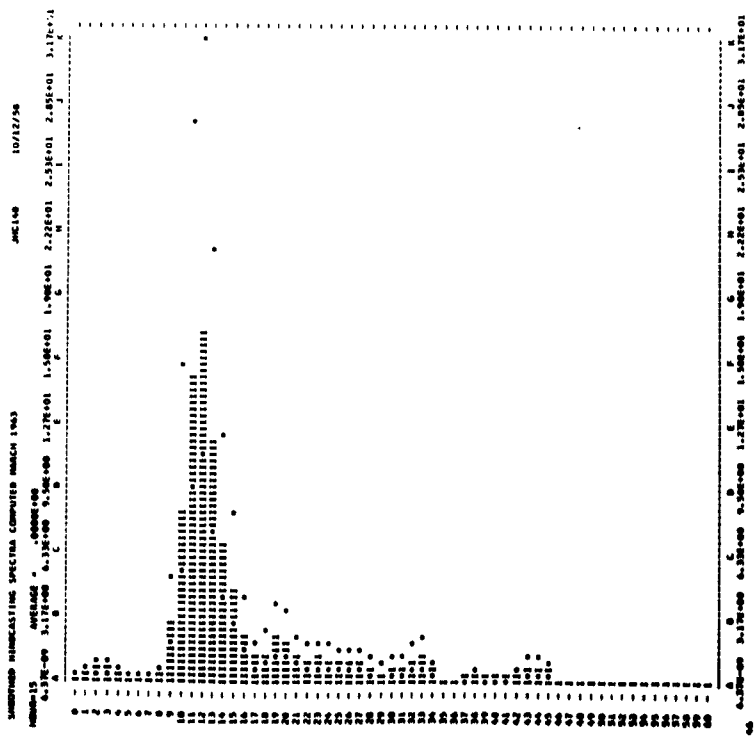
M	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1331	.1331	.1018	.1018	.1877	.0668
1	.006	.2889	.2889	.2577	.2577	.4750	.1641
2	.011	.5281	.5281	.4968	.4968	.9157	.3163
3	.017	.9388	.9388	.9075	.9075	.9356	.3231
4	.022	.2909	.2909	.2596	.2596	.4783	.1652
5	.028	.1438	.1438	.1126	.1126	.2075	.0717
6	.033	.0674	.0674	.0362	.0570	.1051	.0363
7	.039	.1900	.1900	.1188	.1977	.2906	.1004
8	.044	.6002	.6002	.5688	.6774	1.2486	.4314
9	.050	6.3497	6.3497	6.3184	7.0128	12.9256	4.4653
10	.056	14.9161	14.9161	14.4849	15.3974	28.3797	9.8041
11	.061	11.6796	11.6796	11.6446	12.0810	22.2671	7.6925
12	.067	8.3889	8.3889	8.3267	8.4615	10.0644	3.4776
13	.072	4.6815	4.6815	4.6502	4.7711	8.7939	3.0380
14	.078	4.6853	4.6853	4.6240	4.7858	8.8210	3.0473
15	.083	4.3021	4.3021	4.2708	4.4403	8.2763	2.8592
16	.089	2.7636	2.7636	2.7324	2.9054	5.3550	1.8500
17	.094	1.6951	1.6951	1.6639	1.8359	3.3839	1.1690
18	.100	2.1669	2.1669	2.1356	2.4312	4.4810	1.5480
19	.106	1.6796	1.6796	1.6484	1.9459	3.5866	1.2390
20	.111	.8816	.8816	.8504	1.0442	1.9247	.6649
21	.117	.7861	.7861	.7549	.9675	1.7833	.6160
22	.122	.6338	.6338	.6025	.8088	1.4908	.5150
23	.128	.4598	.4598	.4285	.5955	1.0977	.3792
24	.133	.4210	.4210	.3897	.5796	1.0683	.3690
25	.139	.4058	.4058	.3746	.5692	1.0860	.3752
26	.144	.2930	.2930	.2618	.4368	.8050	.2781
27	.150	.1735	.1735	.1422	.2523	.4650	.1606
28	.156	.1616	.1616	.1304	.2468	.4546	.1570
29	.161	.1441	.1441	.1128	.2282	.4206	.1453
30	.167	.1114	.1114	.0802	.1760	.3208	.1108
31	.172	.0969	.0969	.0636	.1484	.2735	.0945
32	.178	.0984	.0984	.0671	.1690	.3114	.1076
33	.183	.1163	.1163	.0850	.2311	.4259	.1471
34	.189	.1091	.1091	.0779	.2295	.4230	.1461
35	.194	.0935	.0935	.0622	.1995	.3673	.1269
36	.200	.1103	.1103	.0791	.2760	.5087	.1757
37	.206	.0835	.0835	.0523	.1991	.3670	.1268
38	.211	.0525	.0525	.0213	.0887	.1635	.0565
39	.217	.0692	.0692	.0379	.1737	.3201	.1106
40	.222	.0746	.0721	.0408	.2058	.3792	.1310
41	.228	.0699	.0689	.0377	.2096	.3863	.1334
42	.233	.0613	.0608	.0295	.1816	.3346	.1156
43	.239	.0505	.0547	.0234	.1598	.2946	.1018
44	.244	.0564	.0542	.0230	.1763	.3213	.1110
45	.250	.0537	.0542	.0229	.1935	.3567	.1232
46	.256	.0529	.0546	.0233	.2203	.4061	.1403
47	.261	.0589	.0537	.0224	.2373	.4373	.1511
48	.267	.0441	.0457	.0145	.1717	.3166	.1093
49	.272	.0358	.0408	.0095	.1274	.2347	.0811
50	.278	.0475	.0449	.0137	.2062	.3800	.1313
51	.283	.0490	.0449	.0136	.2326	.4286	.1481
52	.289	.0341	.0350	.0037	.0718	.1324	.0457
53	.294	.0226	.0289	.0000	.0000	.0000	.0000
54	.300	.0361	.0347	.0035	.0867	.1598	.0552
55	.306	.0441	.0394	.0081	.2330	.4294	.1483
56	.311	.0333	.0357	.0034	.1114	.2053	.0709
57	.317	.0279	.0279	.0000	.0000	.0000	.0000
58	.322	.0226	.0236	.0000	.0000	.0000	.0000
59	.328	.0206	.0218	.0000	.0000	.0000	.0000
60	.333	.0233	.0220	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 10/12/58 AV. T= 10.4 RECORD = JHC140
HOUR = 15 SIG.HGT. = 38.5 UPPER HGT. = 43.1
TOTAL DF =104 CORR. VAR. = 92.7 LOWER HGT. = 34.4
NOISE LEVEL = .0807 WIND SPEED = 50

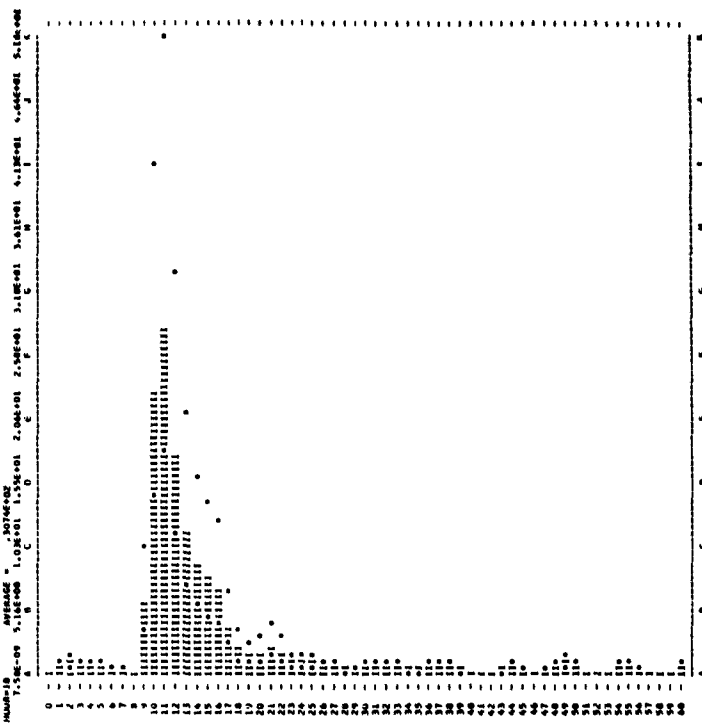
M	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.2088	.2088	.1281	.1281	.2362	.0816
1	.006	.3944	.3944	.3136	.3139	.5786	.1999
2	.011	.6498	.6498	.5691	.5891	1.0859	.3751
3	.017	.6433	.6433	.5626	.5626	1.0370	.3583
4	.022	.3596	.3596	.2789	.2789	.5141	.1776
5	.028	.1736	.1736	.0929	.0929	.1713	.0592
6	.033	.1381	.1381	.0576	.0905	.1668	.0576
7	.039	.1736	.1736	.0929	.1234	.2276	.0786
8	.044	.3024	.3024	.2217	.2840	.4867	.1681
9	.050	2.6148	2.6148	2.5361	2.8126	5.1861	1.7909
10	.056	7.9216	7.9216	7.8429	8.2399	15.1929	5.3072
11	.061	14.5493	14.5493	14.4686	15.0112	27.6879	9.5582
12	.067	16.0342	16.0342	16.7535	17.1841	31.6728	10.9418
13	.072	11.3825	11.3825	11.3018	11.5957	21.3726	7.3834
14	.078	6.3740	6.3740	6.2933	6.5136	12.0055	4.1475
15	.083	4.2973	4.2973	4.2166	4.4334	8.1714	2.8229
16	.089	2.1884	2.1884	2.1077	2.2412	4.1308	1.4270
17	.094	1.0888	1.0888	1.0081	1.1124	2.0503	.7083
18	.100	1.3031	1.3031	1.2224	1.3916	2.5650	.8861
19	.106	1.8939	1.8939	1.8132	2.1408	3.9453	1.3630
20	.111	1.6750	1.6750	1.5943	1.9578	3.6086	1.2466
21	.117	1.0750	1.0750	.9943	1.2744	2.3490	.8115
22	.122	.8273	.8273	.7466	1.0023	1.8476	.6382
23	.128	.8700	.8700	.7893	1.1134	2.0521	.7089
24	.133	.8121	.8121	.7314	1.0877	2.0048	.6926
25	.139	.6251	.6251	.5444	.8569	1.5796	.5453
26	.144	.5666	.5666	.4859	.8107	1.4943	.5162
27	.150	.5036	.5036	.5029	.8920	1.6441	.5680
28	.156	.4480	.4480	.3673	.6949	1.2809	.4425
29	.161	.3858	.3858	.2291	.4554	.8394	.2900
30	.167	.3600	.3600	.2793	.6063	1.1175	.3860
31	.172	.3955	.3955	.3148	.7362	1.3933	.4679
32	.178	.4650	.4650	.3843	.9673	1.7829	.6159
33	.183	.4963	.4963	.4156	1.1297	2.0823	.7194
34	.189	.2498	.2498	.1683	.4082	.9166	.3160
35	.194	.0841	.0841	.0000	.0000	.0000	.0000
36	.200	.0862	.0862	.0055	.0193	.0356	.0123
37	.206	.1300	.1300	.0493	.1879	.3464	.1197
38	.211	.1681	.1681	.0874	.2813	.5189	.1791
39	.217	.1339	.1339	.0532	.2046	.4497	.1553
40	.222	.1129	.1191	.0344	.1739	.3197	.1109
41	.228	.1006	.1101	.0294	.1036	.3819	.1042
42	.233	.1362	.1330	.0523	.3218	.5931	.2049
43	.239	.1709	.1709	.0903	.4809	1.1226	.3877
44	.244	.1958	.1783	.0976	.7405	1.3649	.4715
45	.250	.1427	.1381	.0575	.4899	.9995	.3094
46	.256	.0716	.0825	.0019	.0178	.0326	.0112
47	.261	.0446	.0521	.0000	.0000	.0000	.0000
48	.267	.0479	.0521	.0000	.0000	.0000	.0000
49	.272	.0657	.0615	.0000	.0000	.0000	.0000
50	.278	.0906	.0817	.0010	.0197	.0208	.0100
51	.283	.0799	.0722	.0000	.0000	.0000	.0000
52	.289	.0586	.0586	.0000	.0000	.0000	.0000
53	.294	.0390	.0390	.0074	.0000	.0039	.0000
54	.300	.1067	.0998	.0191	.0191	.0352	.0122
55	.306	.1467	.1292	.0485	.0485	.0895	.0309
56	.311	.1167	.1182	.0375	.0375	.0692	.0239
57	.317	.0927	.0999	.0193	.0193	.0282	.0097
58	.322	.0817	.0791	.0000	.0000	.0000	.0000
59	.328	.0563	.0591	.0000	.0000	.0000	.0000
60	.333	.0421	.0492	.0000	.0000	.0000	.0000



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 10/12/58 Av. T= 10.2 RECORD = JMC141
HOUR = 18 SIG.HGT. = 47.8 UPPER HGT. = 52.9
TOTAL OF = 96 CORR. VAR. = 136.3 LOWER HGT. = 41.8
NOISE LEVEL = .0056 WIND SPEED = 50

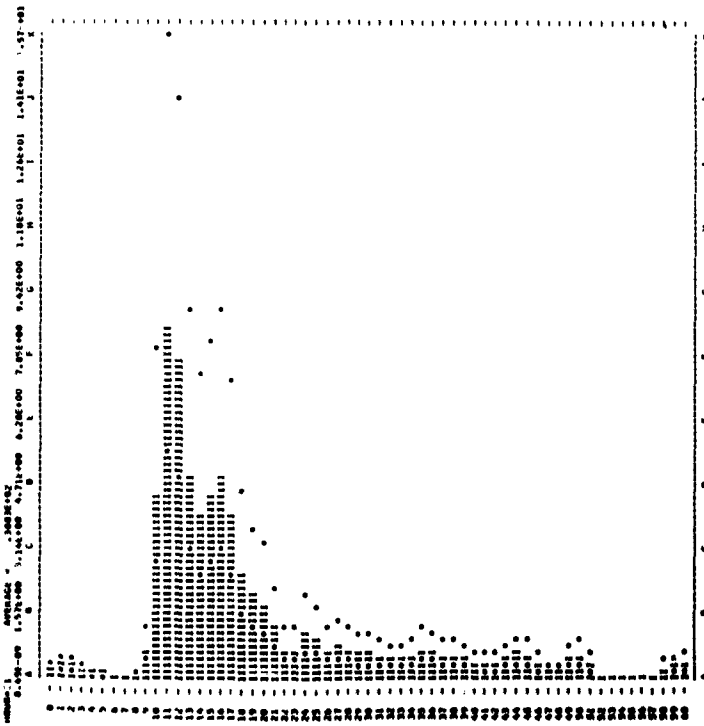
N	FRE.	UNIT-PT.2	FILTERED	-NOISE	CORR.PT.2	UPPER	LOWER
0	.000	.2246	.2246	.1393	.1393	.2567	.0887
1	.006	.5352	.5352	.4607	.4607	.8288	.2863
2	.011	.9069	.9069	.8216	.8216	1.4134	.5250
3	.017	.7798	.7798	.6942	.6942	1.2398	.4628
4	.022	.5453	.5453	.4588	.4588	.8076	.2927
5	.028	.5385	.5385	.4538	.4538	.8349	.2884
6	.033	.2288	.2285	.1358	.2128	.3919	.1354
7	.039	.2699	.2699	.1804	.2398	.4414	.1528
8	.044	.0632	.0632	.0000	.0000	.0000	.0000
9	.050	5.1224	5.1224	5.0368	5.5984	10.3039	3.5796
10	.056	21.2725	21.2725	21.1869	22.5217	41.5108	14.3605
11	.061	27.0671	27.0671	26.9815	27.9933	51.5958	17.8245
12	.067	17.3584	17.3584	17.2728	17.7167	32.6565	11.2804
13	.072	11.3437	11.3437	11.2581	11.5588	21.2899	7.3548
14	.078	8.3928	8.3928	8.3072	8.5966	15.7711	5.4483
15	.083	7.2207	7.2207	7.1351	7.3019	13.4270	4.7767
16	.089	6.5284	6.5284	6.4428	6.6586	12.2267	4.3641
17	.094	5.4386	5.4386	5.3530	5.4998	9.9192	3.5358
18	.100	1.7067	1.7067	1.6211	1.8459	3.4016	1.1751
19	.106	1.2580	1.2580	1.1724	1.3841	2.5911	.8813
20	.111	1.3570	1.3570	1.2714	1.5613	2.8778	.9962
21	.117	1.7756	1.7756	1.6902	2.1643	3.9629	1.3796
22	.122	1.2676	1.2676	1.1820	1.5867	2.9266	1.0103
23	.128	.6908	.6908	.6053	.8538	1.5736	.5436
24	.133	.7161	.7161	.6305	.9344	1.7227	.5991
25	.139	.6359	.6359	.5503	.8457	1.5917	.5513
26	.144	.4775	.4775	.3919	.6539	1.2052	.4163
27	.150	.3819	.3819	.2963	.5255	.9686	.3346
28	.156	.2486	.2486	.1631	.3083	.5685	.1964
29	.161	.2117	.2117	.1261	.2551	.4702	.1624
30	.167	.2796	.2796	.1941	.4212	.7763	.2682
31	.172	.2685	.2685	.1830	.4268	.7866	.2717
32	.178	.2838	.2838	.1983	.4998	.9198	.3177
33	.183	.2851	.2851	.1998	.5423	.9993	.3453
34	.189	.2127	.2127	.1271	.3747	.6907	.2386
35	.194	.1952	.1952	.1096	.3510	.6470	.2235
36	.200	.2091	.2091	.1235	.4310	.7944	.2744
37	.206	.2021	.2021	.1165	.4434	.8172	.2827
38	.211	.1959	.1959	.1104	.4404	.8116	.2732
39	.217	.1603	.1603	.0748	.3427	.6317	.2182
40	.222	.0970	.1027	.0171	.0862	.1589	.0549
41	.228	.0963	.0703	.0000	.0000	.0000	.0000
42	.233	.0716	.0869	.0013	.0083	.0152	.0053
43	.239	.1481	.1331	.0476	.3243	.5977	.2065
44	.244	.1646	.1451	.0595	.4315	.8321	.2875
45	.250	.1030	.1121	.0265	.2260	.4129	.1426
46	.256	.0777	.0904	.0048	.0656	.0837	.0289
47	.261	.1031	.1090	.0235	.2485	.4580	.1582
48	.267	.1523	.1437	.0582	.6909	1.2734	.4399
49	.272	.1673	.1524	.0669	.8939	1.6475	.5692
50	.278	.1279	.1149	.0363	.5182	.9551	.3299
51	.283	.0665	.0781	.0000	.0000	.0000	.0000
52	.289	.0562	.0676	.0000	.0000	.0000	.0000
53	.294	.0914	.0880	.0024	.0536	.0987	.0341
54	.300	.1130	.1084	.0210	.5274	.9720	.3358
55	.306	.1090	.1072	.0216	.6189	1.1407	.3941
56	.311	.0976	.0933	.0077	.2542	.4685	.1618
57	.317	.0689	.0718	.0000	.0000	.0000	.0000
58	.324	.0517	.0607	.0000	.0000	.0000	.0000
59	.328	.0827	.0822	.0000	.0000	.0000	.0000
60	.333	.1117	.0972	.0116	.0734	1.2611	.4268



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 10/12/58 Av. T= 8.2 RECORD = JMC142
HOUR = 21 SIG.HGT. = 33.1 UPPER HGT. = 36.2
TOTAL OF = 172 CORR. VAR. = 68.6 LOWER HGT. = 30.4
NOISE LEVEL = .0536 WIND SPEED = 35

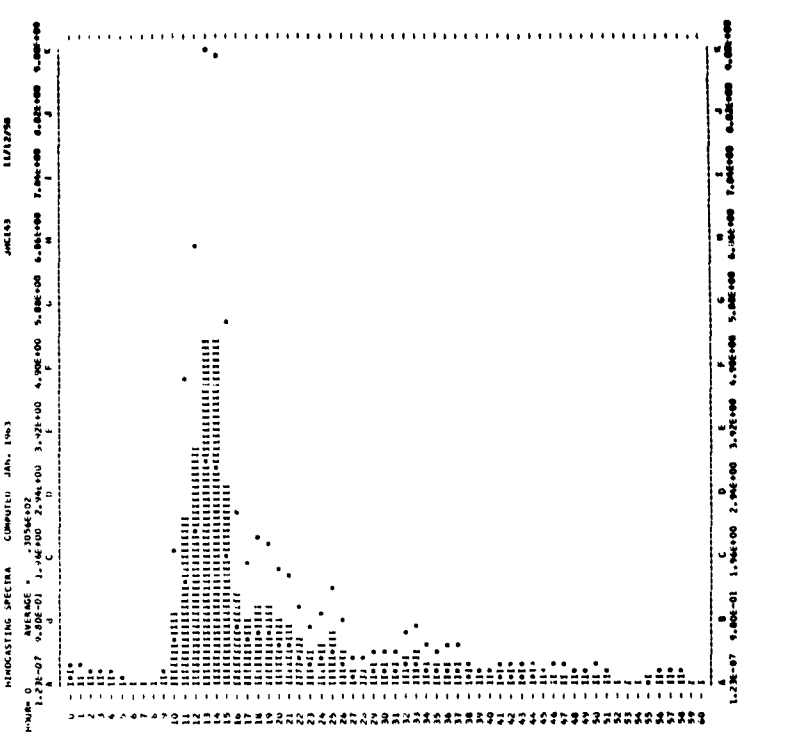
N	FRE.	UNIT-PT.2	FILTERED	-NOISE	CORR.PT.2	UPPER	LOWER
0	.000	.2598	.2598	.2068	.2068	.3812	.1317
1	.006	.3217	.3217	.2686	.2686	.4951	.1711
2	.011	.2980	.2980	.2449	.2449	.4514	.1560
3	.017	.1877	.1877	.1367	.1367	.2683	.0858
4	.022	.1761	.1761	.1231	.1231	.2268	.0784
5	.028	.1494	.1494	.0924	.0924	.1703	.0588
6	.033	.0704	.0704	.0173	.0273	.0504	.0174
7	.039	.0477	.0477	.0000	.0000	.0000	.0000
8	.044	.0918	.0918	.0387	.0461	.0850	.0294
9	.050	.6665	.6665	.6135	.6800	1.2531	.4330
10	.056	4.1219	4.1219	4.0689	4.3252	7.9720	2.7540
11	.061	8.2675	8.2675	8.2144	8.9225	15.7082	5.4268
12	.067	7.5389	7.5389	7.4859	7.6783	14.1522	4.8891
13	.072	4.8005	4.8005	4.7475	4.8710	8.9779	3.1015
14	.078	3.9227	3.9227	3.8696	4.0051	7.3828	2.5502
15	.083	4.2641	4.2641	4.2111	4.4276	8.1607	2.8192
16	.089	4.6149	4.6149	4.5619	4.8582	8.9397	3.0883
17	.094	3.5844	3.5844	3.5314	3.8968	7.1819	2.4811
18	.100	2.2134	2.2134	2.1603	2.4593	4.5329	1.5659
19	.106	1.7356	1.7356	1.6824	1.9861	3.6606	1.2646
20	.111	1.4922	1.4922	1.4392	1.7673	3.2576	1.1253
21	.117	1.0090	1.0090	.9560	1.2253	2.2583	.7802
22	.122	.5472	.5472	.4942	.6634	1.2227	.4224
23	.128	.5525	.5525	.4995	.7049	1.2995	.4488
24	.133	.7928	.7928	.7398	1.1001	2.0276	.7004
25	.139	.6579	.6579	.6049	.9515	1.7538	.6059
26	.144	.4611	.4611	.4081	.6808	1.2549	.4335
27	.150	.4767	.4767	.4237	.7479	1.3786	.4762
28	.156	.4188	.4188	.3658	.6928	1.2768	.4412
29	.161	.3365	.3365	.2835	.5696	1.0495	.3626
30	.167	.3267	.3267	.2717	.5897	1.0869	.3755
31	.172	.2787	.2787	.2256	.5262	.9699	.3351
32	.178	.2271	.2271	.1746	.4380	.8073	.2789
33	.183	.2158	.2158	.1633	.4401	.8112	.2803
34	.189	.2262	.2262	.1732	.5105	.9409	.3250
35	.194	.2687	.2687	.2076	.6648	1.2254	.4233
36	.200	.2955	.2955	.2325	.8368	1.5736	.4054
37	.206	.1871	.1871	.1341	.5108	.9416	.3253
38	.211	.1685	.1685	.1129	.4492	.8279	.2908
39	.217	.1552	.1552	.1082	.4591	.8462	.2923
40	.222	.1205	.1277	.0767	.1764	.4938	.2397
41	.228	.1089	.1094	.0584	.3135	.5778	.1996
42	.233	.1088	.1090	.0560	.3401	.6693	.2229
43	.239	.1233	.1214	.0684	.4665	.8599	.2971
44	.244	.1312	.1256	.0726	.5583	1.0142	.3504
45	.250	.1167	.1132	.0602	.5085	.9373	.3238
46	.256	.0883	.0908	.0378	.3560	.6572	.2270
47	.261	.0899	.0728	.0198	.2994	.5859	.1353
48	.267	.0832	.0705	.0175	.2888	.5835	.1325
49	.272	.0899	.0832	.0301	.4828	.7424	.2565
50	.278	.0977	.0879	.0348	.5207	.9708	.3356
51	.283	.0789	.0797	.0267	.3819	.7057	.1825
52	.289	.0641	.0511	.0000	.0000	.0000	.0000
53	.294	.0656	.0660	.0000	.0000	.0000	.0000
54	.300	.0820	.0660	.0000	.0000	.0000	.0000
55	.306	.0978	.0813	.0000	.0000	.0000	.0000
56	.311	.0601	.0660	.0000	.0000	.0000	.0000
57	.317	.0589	.0598	.0000	.0000	.0000	.0000
58	.322	.0581	.0581	.0021	.2193	.4081	.1398
59	.328	.0573	.0580	.0044	.2686	.4981	.1710
60	.333	.0669	.0591	.0001	.0917	.1482	.1239



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 11/12/58 AV. T= 6.7 RECORD = JMC163
HOUR = 0 SIG.HGT. = 24.3 UPPER HGT. = 26.8
TOTAL DF =161 CORR. VAR. = 37.0 LOWER HGT. = 22.1
NO.OF LEVEL = .0469 WIND SPEED = 30

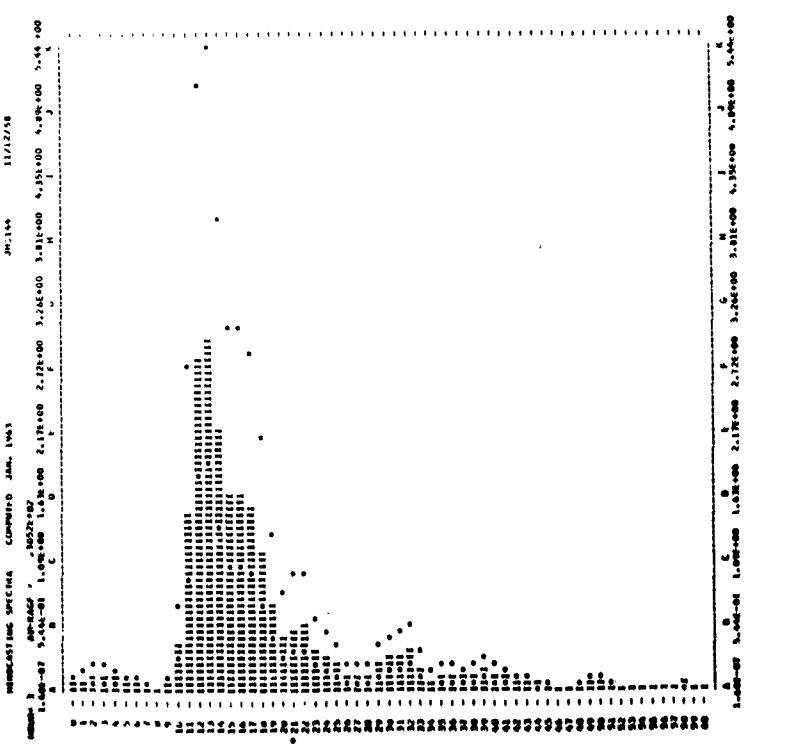
N	FRQ.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1819	.1819	.1949	.1948	.2868	.0986
1	.006	.1680	.1680	.1331	.1331	.2693	.0847
2	.011	.1646	.1646	.1177	.1177	.2149	.0749
3	.017	.1823	.1823	.1254	.1294	.2311	.0799
4	.022	.1215	.1215	.0946	.0946	.1746	.0802
5	.028	.0982	.0982	.0793	.0793	.0940	.0187
6	.033	.0857	.0857	.0888	.0138	.0239	.0088
7	.039	.0388	.0388	.0119	.0158	.0291	.0101
8	.044	.0482	.0482	.0213	.0293	.0467	.0161
9	.050	.1222	.1222	.0993	.1057	.1949	.0673
10	.056	1.0879	1.0879	1.0469	1.1068	2.0595	.7046
11	.061	2.4686	2.4686	2.4417	2.5332	4.6691	1.6130
12	.067	3.6022	3.6022	3.5753	3.6672	6.7591	2.3350
13	.072	5.2073	5.2073	5.1804	5.3150	9.7964	3.3863
14	.078	5.0957	5.0957	5.0688	5.2462	9.6695	3.3404
15	.083	2.9199	2.9199	2.8929	3.0416	5.6062	1.9367
16	.089	1.3600	1.3600	1.3330	1.4176	2.6125	.9025
17	.094	.9359	.9359	.9090	1.0029	1.8486	.6386
18	.100	1.1098	1.1098	1.0828	1.2327	2.2721	.7849
19	.106	1.0139	1.0139	.9870	1.1651	2.1475	.7419
20	.111	.9143	.8143	.7874	.9669	1.7821	.6157
21	.117	.7176	.7176	.6906	.8852	1.6315	.5636
22	.122	.5102	.5102	.4833	.6488	1.1958	.4131
23	.128	.3730	.3730	.3461	.4881	.8997	.3108
24	.133	.4376	.4376	.4107	.6108	1.1257	.3889
25	.139	.5274	.5274	.5005	.7873	1.4511	.5013
26	.144	.5302	.5302	.5033	.5059	.9325	.3221
27	.150	.1462	.1462	.1193	.2115	.3899	.1347
28	.156	.1504	.1504	.1234	.2335	.4304	.1487
29	.161	.1546	.1546	.1276	.2542	.4759	.1644
30	.167	.1682	.1682	.1213	.2632	.4851	.1676
31	.172	.1420	.1420	.1151	.2684	.4947	.1709
32	.178	.1919	.1919	.1650	.4152	.7653	.2644
33	.183	.2083	.2083	.1814	.4930	.9088	.3139
34	.189	.1344	.1344	.1075	.3149	.5840	.2018
35	.194	.1088	.1088	.0819	.2623	.4834	.1670
36	.200	.1179	.1179	.0909	.3174	.5849	.2021
37	.206	.1056	.1056	.0786	.2996	.5521	.1907
38	.211	.0689	.0689	.0420	.1751	.3227	.1115
39	.217	.0456	.0456	.0185	.0846	.1559	.0539
40	.222	.0540	.0520	.0251	.1265	.2331	.0805
41	.228	.0548	.0540	.0270	.1504	.2771	.0957
42	.233	.0526	.0532	.0263	.1616	.2978	.1029
43	.239	.0533	.0516	.0247	.1682	.3100	.1071
44	.244	.0473	.0473	.0203	.1541	.2841	.0981
45	.250	.0410	.0424	.0155	.1306	.2407	.0832
46	.256	.0402	.0411	.0141	.1334	.2459	.0850
47	.261	.0428	.0399	.0130	.1371	.2527	.0873
48	.267	.0338	.0351	.0081	.0967	.1782	.0615
49	.272	.0299	.0331	.0061	.0820	.1511	.0522
50	.278	.0346	.0339	.0090	.1354	.2495	.0862
51	.283	.0365	.0344	.0074	.1269	.2339	.0808
52	.289	.0259	.0264	.0000	.0000	.0000	.0000
53	.294	.0175	.0202	.0000	.0000	.0000	.0000
54	.300	.0201	.0224	.0000	.0000	.0000	.0000
55	.306	.0321	.0292	.0042	.0639	.1178	.0407
56	.311	.0324	.0309	.0039	.1295	.2388	.0825
57	.317	.0266	.0292	.0023	.0865	.1593	.0550
58	.322	.0313	.0290	.0020	.0883	.1627	.0562
59	.328	.0266	.0255	.0000	.0000	.0000	.0000
60	.333	.0175	.0221	.0000	.0000	.0000	.0000



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 11/12/58 AV. T= 9.5 RECORD = JMC164
HOUR = 3 SIG.HGT. = 18.8 UPPER HGT. = 20.7
TOTAL DF =162 CORR. VAR. = 22.2 LOWER HGT. = 17.1
NOISE LEVEL = .0161 WIND SPEED = 0

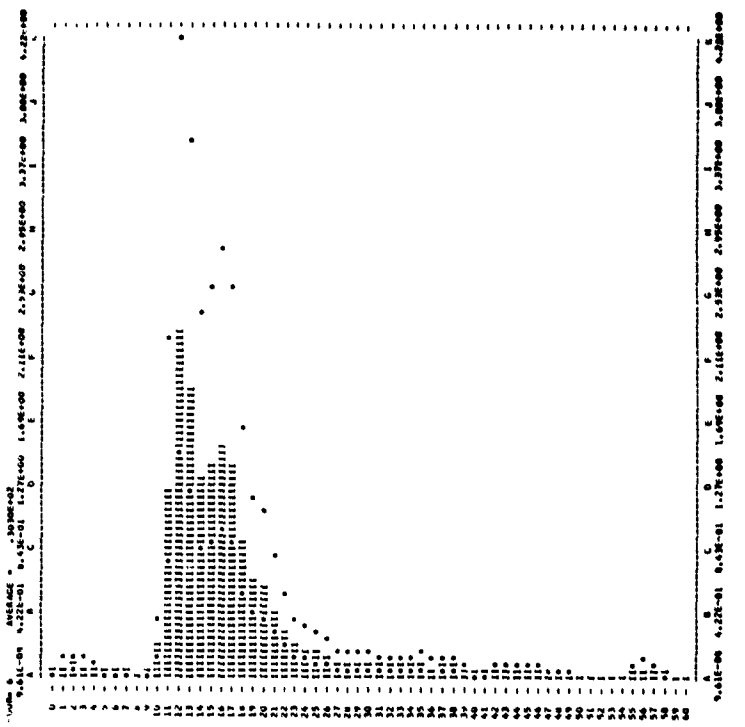
N	FRQ.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0660	.0660	.0519	.0519	.0956	.0330
1	.006	.0910	.0910	.0769	.0769	.1418	.0490
2	.011	.1291	.1291	.1150	.1150	.2119	.0732
3	.017	.1283	.1283	.1142	.1142	.2104	.0727
4	.022	.1037	.1037	.0896	.0896	.1651	.0571
5	.028	.0817	.0817	.0676	.0676	.1246	.0430
6	.033	.0576	.0576	.0433	.0682	.1257	.0434
7	.039	.0314	.0314	.0173	.0230	.0423	.0146
8	.044	.0256	.0256	.0115	.0137	.0253	.0087
9	.050	.0648	.0648	.0508	.0563	.1038	.0359
10	.056	.3849	.3849	.3708	.3942	.7266	.2510
11	.061	1.4424	1.4424	1.4284	1.4819	2.7314	.9436
12	.067	2.7200	2.7200	2.7059	2.7755	5.1156	1.7672
13	.072	2.8891	2.8891	2.8750	2.9498	5.4369	1.8782
14	.078	2.0967	2.0967	2.0826	2.1555	3.9729	1.3725
15	.083	1.5858	1.5858	1.5717	1.6525	3.0457	1.0522
16	.089	1.5564	1.5564	1.5423	1.6400	3.0227	1.0442
17	.094	1.4168	1.4168	1.4027	1.5477	2.8527	.9855
18	.100	1.0141	1.0141	1.0000	1.1304	2.0832	.7199
19	.106	.6043	.6043	.5722	.6991	1.2885	.4451
20	.111	.3771	.3771	.3610	.4457	.8216	.2838
21	.117	.4170	.4170	.4029	.5165	.9519	.3288
22	.122	.4050	.4050	.3909	.5247	.9672	.3341
23	.128	.2420	.2420	.2279	.3215	.5926	.2047
24	.133	.1949	.1949	.1808	.2689	.4956	.1712
25	.139	.1417	.1417	.1276	.2007	.3700	.1278
26	.144	.0849	.0849	.0708	.1181	.2176	.0752
27	.150	.0793	.0793	.0652	.1157	.2133	.0737
28	.156	.0784	.0784	.0643	.1216	.2241	.0774
29	.161	.1120	.1120	.0979	.1980	.3650	.1261
30	.167	.1281	.1281	.1140	.2676	.4561	.1576
31	.172	.1333	.1333	.1192	.2780	.5124	.1770
32	.178	.1344	.1344	.1203	.3027	.5579	.1927
33	.183	.0769	.0769	.0628	.1708	.3148	.1088
34	.189	.0411	.0411	.0270	.0798	.1468	.0507
35	.194	.0490	.0490	.0349	.1118	.2061	.0712
36	.200	.0466	.0466	.0305	.1046	.1965	.0679
37	.206	.0398	.0398	.0257	.0979	.1805	.0624
38	.211	.0410	.0410	.0269	.1121	.2066	.0714
39	.217	.0451	.0451	.0310	.1419	.2615	.0903
40	.222	.0399	.0381	.0240	.1209	.2228	.0770
41	.228	.0276	.0296	.0155	.0849	.1564	.0540
42	.233	.0227	.0238	.0097	.0595	.1097	.0379
43	.239	.0223	.0215	.0074	.0503	.0930	.0321
44	.244	.0186	.0189	.0048	.0346	.0638	.0232
45	.250	.0160	.0168	.0027	.0228	.0420	.0145
46	.256	.0166	.0154	.0013	.0144	.0266	.0092
47	.261	.0193	.0194	.0053	.0049	.0053	.0018
48	.267	.0162	.0194	.0013	.0176	.0325	.0112
49	.272	.0209	.0193	.0042	.0566	.1039	.0359
50	.278	.0180	.0177	.0026	.0527	.0989	.0342
51	.283	.0162	.0192	.0011	.0193	.0355	.0123
52	.289	.0146	.0146	.0000	.0096	.0103	.0036
53	.294	.0162	.0161	.0000	.0012	.0022	.0008
54	.300	.0136	.0138	.0000	.0000	.0000	.0000
55	.306	.0137	.0136	.0000	.0000	.0000	.0000
56	.311	.0136	.0136	.0000	.0000	.0000	.0000
57	.317	.0136	.0161	.0000	.0003	.0006	.0002
58	.322	.0186	.0169	.0000	.0337	.0620	.0216
59	.328	.0166	.0161	.0000	.0005	.0009	.0003
60	.333	.0119	.0131	.0000	.0000	.0000	.0000



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 11/12/58 AV. T= 9.5 RECORD = JMC145
HOUR = 6 SIG.HGT. = 14.3 UPPER HGT. = 18.0
TOTAL OF =135 CORR. VAR. = 14.6 LOWER HGT. = 11.0
NOISE LEVEL = .0061 WIND SPEED = 60

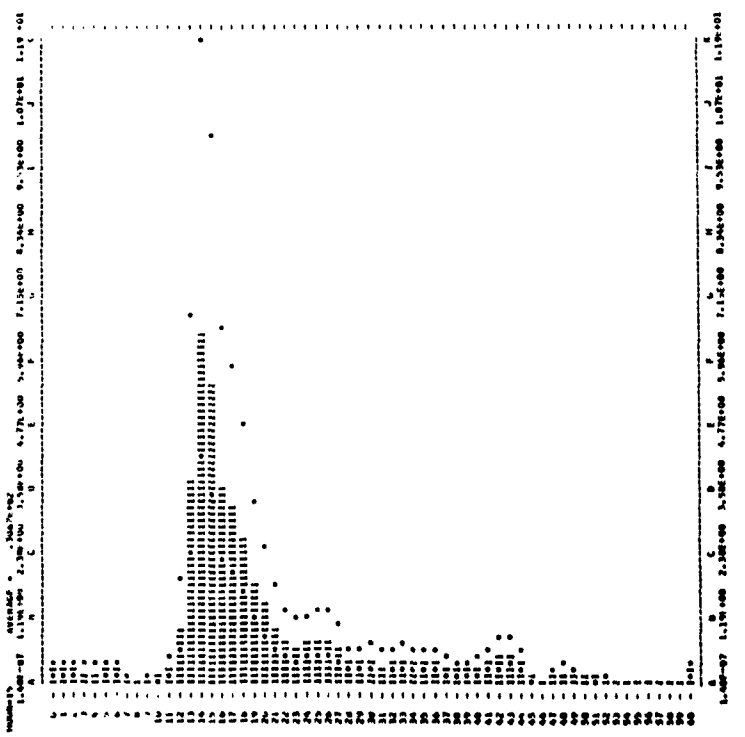
H	FREQ.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.008	.8384	.8384	.8324	.8324	.8907	.8786
1	.009	.8661	.8661	.8600	.8600	.9200	.8999
2	.011	.8838	.8838	.8777	.8777	.9403	.9048
3	.012	.8640	.8640	.8580	.8580	.9189	.8969
4	.022	.8436	.8436	.8375	.8375	.8601	.8230
5	.028	.8368	.8368	.8299	.8299	.8591	.8198
6	.033	.8288	.8288	.8199	.8214	.8578	.8280
7	.039	.8232	.8232	.8171	.8227	.8619	.8145
8	.044	.8126	.8126	.8065	.8077	.8143	.8049
9	.050	.8368	.8368	.8287	.8319	.8598	.8203
10	.056	.2098	.2095	.2035	.2163	.1986	.1377
11	.061	1.1725	1.1725	1.1664	1.2182	2.2385	.7786
12	.067	2.2366	2.2366	2.2306	2.2879	4.2169	1.4568
13	.072	1.0686	1.0686	1.0625	1.0118	1.9222	1.2168
14	.078	1.2672	1.2672	1.2611	1.3092	2.4657	.8311
15	.083	1.3244	1.3244	1.3184	1.3881	2.5549	.8826
16	.089	1.4430	1.4430	1.4370	1.5279	2.8162	.9729
17	.094	1.2622	1.2622	1.2562	1.3881	2.5547	.8826
18	.100	.7838	.7838	.7778	.8854	1.6320	.5638
19	.106	.5527	.5527	.5466	.6453	1.1894	.4109
20	.111	.4830	.4830	.4769	.5826	1.0794	.3729
21	.117	.3466	.3466	.3406	.4365	.8065	.2770
22	.122	.2295	.2295	.2235	.3004	.5829	.1910
23	.128	.1572	.1572	.1512	.2132	.3930	.1358
24	.133	.1242	.1242	.1181	.1757	.3238	.1119
25	.139	.1062	.1062	.1001	.1575	.2903	.1003
26	.144	.0859	.0859	.0779	.1299	.2395	.0827
27	.150	.0956	.0956	.0895	.0878	.1618	.0559
28	.156	.0508	.0508	.0448	.0847	.1561	.0539
29	.161	.0550	.0550	.0490	.0991	.1826	.0631
30	.167	.0456	.0456	.0395	.0858	.1581	.0546
31	.172	.0356	.0356	.0295	.0688	.1269	.0438
32	.178	.0317	.0317	.0256	.0644	.1190	.0411
33	.183	.0303	.0303	.0242	.0658	.1213	.0419
34	.189	.0320	.0320	.0259	.0764	.1408	.0487
35	.194	.0311	.0311	.0251	.0803	.1480	.0511
36	.200	.0227	.0227	.0166	.0579	.1067	.0369
37	.206	.0228	.0228	.0168	.0638	.1176	.0406
38	.211	.0252	.0252	.0192	.0800	.1474	.0509
39	.217	.0165	.0165	.0105	.0468	.0885	.0306
40	.222	.0102	.0119	.0058	.0295	.0543	.0188
41	.228	.0107	.0116	.0050	.0276	.0509	.0176
42	.233	.0124	.0122	.0061	.0376	.0694	.0240
43	.239	.0131	.0131	.0071	.0483	.0890	.0307
44	.244	.0130	.0134	.0073	.0553	.1019	.0352
45	.250	.0126	.0121	.0061	.0512	.0943	.0326
46	.256	.0099	.0099	.0038	.0359	.0661	.0228
47	.261	.0077	.0080	.0019	.0203	.0375	.0129
48	.267	.0069	.0072	.0012	.0138	.0254	.0088
49	.272	.0074	.0070	.0009	.0123	.0226	.0078
50	.278	.0062	.0061	.0000	.0000	.0000	.0000
51	.283	.0064	.0048	.0000	.0000	.0000	.0000
52	.289	.0041	.0062	.0000	.0000	.0000	.0000
53	.294	.0040	.0043	.0000	.0000	.0000	.0000
54	.300	.0060	.0000	.0000	.0000	.0000	.0000
55	.306	.0080	.0079	.0018	.0408	.0748	.0258
56	.311	.0078	.0078	.0017	.0373	.0684	.0365
57	.317	.0075	.0074	.0014	.0511	.0941	.0325
58	.322	.0068	.0067	.0007	.0292	.0536	.0186
59	.328	.0059	.0060	.0000	.0000	.0000	.0000
60	.334	.0059	.0057	.0000	.0000	.0000	.0000



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 11/12/58 AV. T= 8.4 RECORD = JMC146
HOUR = 15 SIG.HGT. = 26.0 UPPER HGT. = 28.7
TOTAL OF =140 CORR. VAR. = 42.3 LOWER HGT. = 23.4
NOISE LEVEL = .0280 WIND SPEED = 90

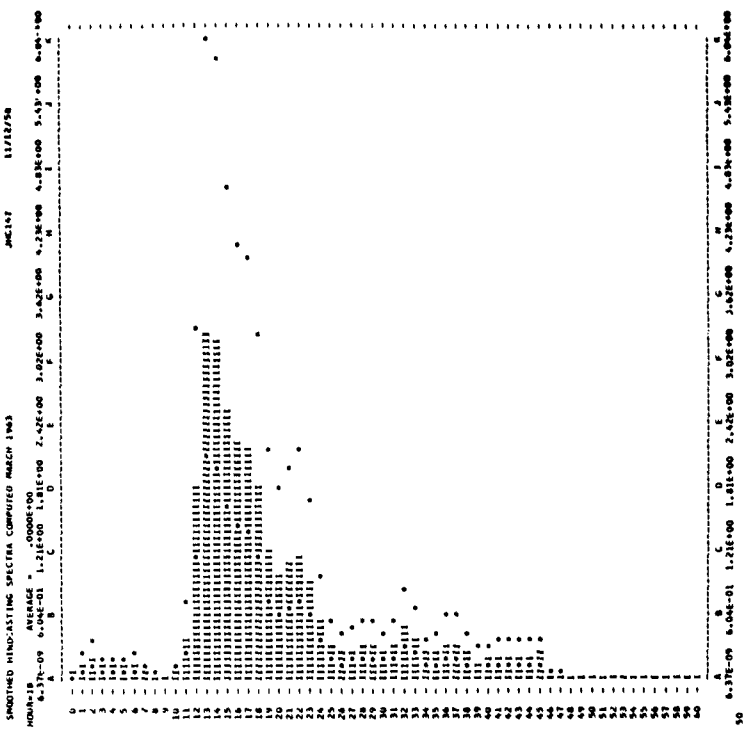
H	FREQ.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.00u	.2186	.2186	.1886	.1886	.3677	.1201
1	.00e	.2170	.2170	.1890	.1890	.3684	.1204
2	.011	.2295	.2295	.2015	.2015	.3713	.1283
3	.C17	.2049	.2049	.1769	.1769	.3260	.1126
4	.022	.1920	.1920	.1640	.1640	.3022	.1044
5	.02d	.2267	.2267	.1987	.1987	.3662	.1265
6	.03i	.1652	.1652	.1372	.2162	.3984	.1176
7	.039	.0686	.0686	.0386	.0513	.0945	.0126
8	.044	.0458	.0458	.0157	.0188	.0346	.0119
9	.050	.0463	.0463	.0303	.0425	.0783	.0278
10	.056	.1041	.1041	.0781	.0808	.1490	.0515
11	.061	.2866	.2866	.2586	.2683	.4945	.1700
12	.067	1.0121	1.0121	.9841	1.0094	1.8604	.6437
13	.072	3.6368	3.6368	3.6088	3.7028	6.8245	2.5376
14	.078	6.2749	6.2749	6.2469	6.4656	11.9170	4.1169
15	.083	5.2781	5.2781	5.2501	4.5200	10.1741	3.5148
16	.089	3.3724	3.3724	3.3444	3.9561	6.9564	2.2643
17	.09.	.7019	2.9019	2.8739	3.1709	5.8637	2.0188
18	.10.	2.2870	2.2870	2.2590	2.5717	4.7394	1.6375
19	.106	1.5860	1.5860	1.5554	1.8367	3.3855	1.1696
20	.111	1.1309	1.1309	1.1229	1.3789	2.5414	.8780
21	.117	.7867	.7867	.7367	.9043	1.7006	.6013
22	.122	.5462	.5462	.5162	.6329	1.2772	.4412
23	.128	.4825	.4825	.4545	.6411	1.1817	.4082
24	.133	.4723	.4723	.4443	.6607	1.2177	.4207
25	.139	.4689	.4689	.4409	.6935	1.2783	.4416
26	.144	.4416	.4416	.4136	.6901	1.2719	.4394
27	.150	.3628	.3628	.3348	.5581	1.0291	.3554
28	.156	.2124	.2124	.1844	.3448	.6430	.2221
29	.161	.2014	.2014	.1734	.3508	.6466	.2234
30	.167	.1866	.1866	.1586	.3376	.6163	.2668
31	.172	.1598	.1598	.1270	.2903	.5401	.1868
32	.178	.1517	.1517	.1237	.3114	.5740	.1983
33	.183	.1389	.1389	.1306	.3557	.6555	.2265
34	.189	.1315	.1315	.1037	.3050	.5622	.1942
35	.194	.1212	.1212	.0932	.2941	.5581	.1998
36	.200	.1250	.1250	.0970	.3345	.6239	.2155
37	.206	.0974	.0974	.0694	.2645	.4875	.1686
38	.211	.0722	.0722	.0442	.1943	.3597	.1176
39	.217	.0752	.0752	.0472	.2185	.3978	.1378
40	.222	.0731	.0749	.0469	.2394	.4412	.1526
41	.228	.0806	.0654	.0374	.3191	.5882	.2032
42	.233	.1073	.1004	.0728	.4491	.8249	.2853
43	.239	.0982	.0973	.0697	.4726	.8711	.3060
44	.244	.0855	.0874	.0594	.4991	.9513	.3984
45	.250	.0305	.0386	.0106	.0894	.1648	.0569
46	.256	.0278	.0313	.0033	.0313	.0576	.0199
47	.261	.0392	.0314	.0034	.0890	.1536	.0668
48	.267	.0456	.0416	.0136	.1638	.3019	.1043
49	.272	.0368	.0388	.0108	.1536	.2832	.0847
50	.278	.0326	.0362	.0082	.0937	.1726	.0596
51	.283	.0349	.0329	.0049	.0842	.1524	.0526
52	.289	.0291	.0280	.0017	.0319	.0624	.0216
53	.294	.0288	.0271	.0008	.0008	.0008	.0008
54	.300	.0279	.0263	.0000	.0000	.0000	.0000
55	.306	.0263	.0256	.0000	.0000	.0000	.0000
56	.311	.0254	.0265	.0000	.0000	.0000	.0000
57	.317	.0266	.0260	.0000	.0000	.0000	.0000
58	.322	.0256	.0258	.0000	.0000	.0000	.0000
59	.328	.0279	.0283	.0003	.0148	.0276	.0095
60	.333	.0348	.0311	.0031	.1814	.3363	.1159



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 11/12/58 — AV. T= 8.6 — RECORD = JHC147
HOUR = 18 — SIG.HGT. = 21.7 — UPPER HGT. = 29.7
TOTAL DF =171 — CORR. VAR. = 20.5 — LOWER HGT. = 19.9
NOISE LEVEL = .0283 — WIND SPEED = 50

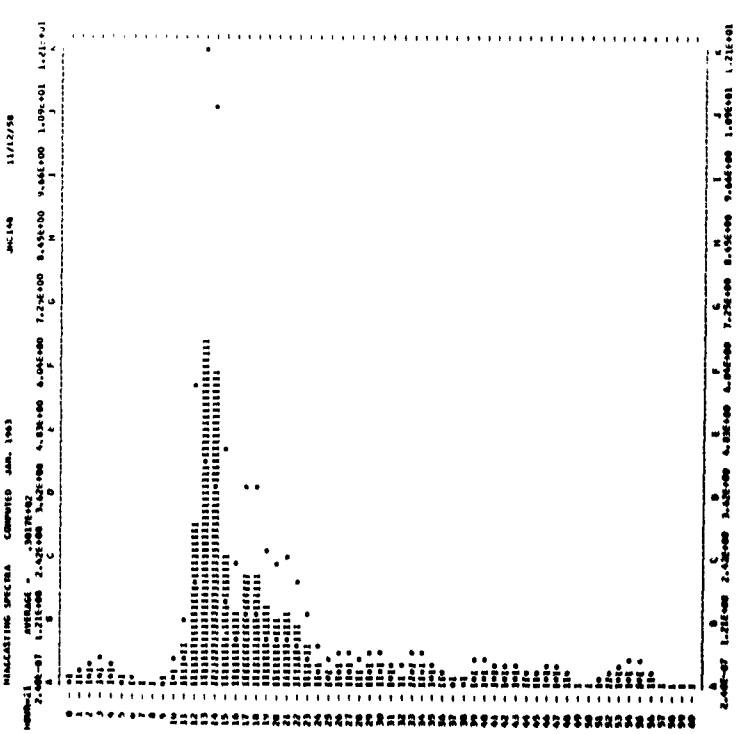
M	FREQ. UNIT=FT.2	FILTERED -NOISE		CORR.FT.2	UPPER	LOWER
0	.000	.0698	.0698	.0415	.0715	.0264
1	.006	.1636	.1636	.1251	.2351	.0860
2	.011	.2220	.2220	.1937	.3970	.1233
3	.017	.1903	.1903	.1120	.2084	.0713
4	.022	.1213	.1213	.0930	.1716	.0592
5	.028	.1371	.1371	.1088	.2005	.0693
6	.033	.1052	.1052	.0769	.1211	.0771
7	.039	.0700	.0700	.0417	.0554	.0352
8	.044	.0480	.0480	.0197	.0234	.0149
9	.050	.0428	.0478	.0165	.0161	.0296
10	.056	.0792	.0792	.0909	.0941	.0997
11	.061	.4035	.4035	.3752	.5893	.2679
12	.067	1.7747	1.7747	1.7464	1.7913	3.3016
13	.072	3.2213	3.2213	3.1930	3.2760	6.0382
14	.078	3.0990	3.0990	3.0667	3.1740	5.8502
15	.083	2.4228	2.4228	2.3945	2.5176	4.6402
16	.089	2.1330	2.1330	2.1047	2.2379	4.1248
17	.094	1.9871	1.9871	1.9588	2.1613	3.9836
18	.100	1.5960	1.5960	1.5677	1.7847	3.2894
19	.106	1.0304	1.0304	1.0021	1.1830	2.1804
20	.111	.8161	.8161	.7878	.9674	1.7831
21	.117	.8636	.8636	.8353	1.0706	1.9733
22	.122	.8949	.8949	.8666	1.1633	2.1442
23	.128	.6851	.6851	.6568	.9266	1.7075
24	.133	.3917	.3917	.3634	.5404	.9960
25	.139	.2258	.2258	.1975	.3107	.5726
26	.144	.1626	.1626	.1343	.2240	.4130
27	.150	.1732	.1732	.1449	.2570	.4736
28	.156	.1759	.1759	.1476	.2792	.5146
29	.161	.1716	.1716	.1433	.2899	.5343
30	.167	.1382	.1382	.1099	.2385	.4396
31	.172	.1492	.1492	.1209	.2810	.5196
32	.178	.2085	.2085	.1802	.4535	.8359
33	.183	.1621	.1621	.1338	.3637	.6703
34	.189	.1002	.1002	.0719	.2119	.3906
35	.194	.1016	.1016	.0733	.2367	.4325
36	.200	.1193	.1193	.0910	.3175	.5853
37	.206	.1127	.1127	.0844	.3214	.5924
38	.211	.0804	.0804	.0521	.2173	.4005
39	.217	.0605	.0605	.0322	.1475	.2719
40	.222	.0598	.0611	.0328	.1652	.3044
41	.228	.0642	.0625	.0342	.1900	.3502
42	.233	.0617	.0611	.0328	.2019	.3720
43	.239	.0569	.0587	.0284	.1938	.3572
44	.244	.0514	.0529	.0226	.1867	.3441
45	.250	.0520	.0535	.0252	.2127	.3920
46	.256	.0585	.0576	.0293	.0293	.0539
47	.261	.0613	.0597	.0274	.0274	.0505
48	.267	.0417	.0413	.0130	.0240	.0083
49	.272	.0207	.0272	.0000	.0000	.0000
50	.278	.0256	.0262	.0000	.0000	.0000
51	.283	.0329	.0302	.0019	.0019	.0035
52	.289	.0295	.0304	.0021	.0021	.0039
53	.294	.0297	.0318	.0035	.0035	.0065
54	.300	.0384	.0362	.0079	.0079	.0145
55	.306	.0383	.0363	.0080	.0080	.0148
56	.311	.0303	.0315	.0032	.0032	.0060
57	.317	.0273	.0269	.0000	.0000	.0000
58	.322	.0229	.0228	.0000	.0000	.0000
59	.328	.0180	.0191	.0000	.0000	.0000
60	.333	.0175	.0177	.0000	.0000	.0000



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 11/12/58 — AV. T= 8.6 — RECORD = JHC148
HOUR = 21 — SIG.HGT. = 24.6 — UPPER HGT. = 27.2
TOTAL DF =126 — CORR. VAR. = 17.7 — LOWER HGT. = 22.2
NOISE LEVEL = .0311 — WIND SPEED = 50

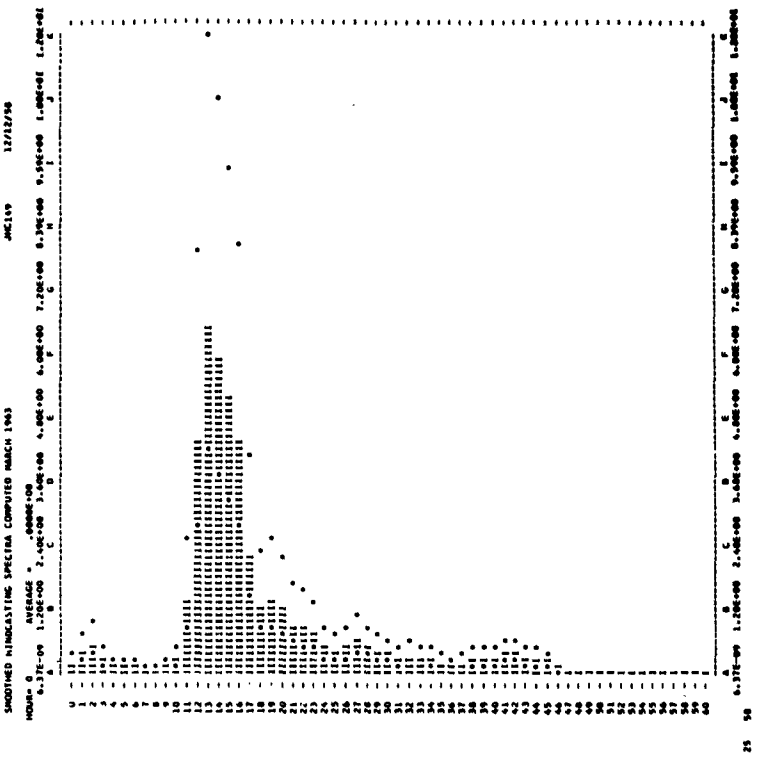
M	FREQ. UNIT=FT.2	FILTERED -NOISE		CORR.FT.2	UPPER	LOWER
0	.000	.0979	.0979	.0668	.0668	.1232	.0426
1	.006	.1347	.1347	.1036	.1036	.1909	.0660
2	.011	.2344	.2344	.2033	.2033	.3746	.1295
3	.017	.2929	.2929	.2618	.2618	.4826	.1667
4	.022	.2144	.2144	.1833	.1833	.3379	.1167
5	.028	.1072	.1072	.0761	.0761	.1402	.0484
6	.033	.0583	.0583	.0272	.0428	.0789	.0273
7	.039	.0670	.0670	.0159	.0211	.0388	.0134
8	.044	.0378	.0378	.0067	.0080	.0147	.0051
9	.050	.0994	.0994	.0683	.0758	.1396	.0482
10	.056	.2921	.2921	.2610	.2774	.5114	.1767
11	.061	.6962	.6962	.6631	.6880	1.2681	.4381
12	.067	3.0110	3.0110	2.9779	3.0565	5.6336	1.9462
13	.072	6.4178	6.4178	6.3867	6.4528	12.0777	4.1724
14	.078	5.7949	5.7949	5.7638	5.9636	10.9956	3.7985
15	.083	2.3239	2.3239	2.2928	2.4107	4.4433	1.5350
16	.089	1.2299	1.2299	1.1988	1.2747	2.3499	.8117
17	.094	1.8619	1.8619	1.8308	2.0202	3.7234	1.2865
18	.100	1.4075	1.4075	1.7765	2.0223	3.7274	1.2877
19	.106	1.2221	1.2221	1.1910	1.4060	2.5915	.8953
20	.111	1.0377	1.0377	1.0066	1.2361	2.2784	.7871
21	.117	1.0509	1.0509	1.0198	1.3071	2.4092	.8323
22	.122	.8320	.8320	.8009	1.0751	1.9816	.8846
23	.128	.5426	.5426	.5115	.7215	1.3298	.4594
24	.133	.2759	.2759	.2448	.3661	.6710	.2318
25	.139	.1952	.1952	.1641	.2581	.4756	.1644
26	.144	.2351	.2351	.2041	.3404	.6275	.2168
27	.150	.2121	.2121	.1810	.3211	.5918	.2045
28	.156	.1862	.1862	.1551	.2933	.5407	.1869
29	.161	.1915	.1915	.1604	.3245	.5981	.2066
30	.167	.1736	.1736	.1425	.3094	.5702	.1970
31	.172	.1196	.1196	.0885	.1972	.3636	.1255
32	.178	.0762	.0762	.0451	.1440	.3022	.1044
33	.183	.1511	.1511	.1200	.3262	.6013	.2077
34	.189	.1485	.1485	.1174	.3481	.6379	.2204
35	.194	.0889	.0889	.0578	.1852	.3413	.1179
36	.200	.0692	.0692	.0371	.1294	.2385	.0824
37	.206	.0519	.0519	.0208	.0793	.1462	.0505
38	.211	.0477	.0477	.0186	.0691	.1274	.0440
39	.217	.0826	.0826	.0515	.2359	.4349	.1502
40	.222	.0786	.0786	.0473	.2383	.4392	.1517
41	.228	.0598	.0673	.0362	.2013	.3713	.1282
42	.233	.0656	.0657	.0346	.2126	.3919	.1354
43	.239	.0574	.0644	.0333	.2270	.4186	.1446
44	.244	.0447	.0506	.0195	.1681	.2729	.0943
45	.250	.0365	.0447	.0136	.1551	.2121	.0733
46	.256	.0511	.0522	.0217	.1998	.3842	.1272
47	.261	.0542	.0908	.0145	.2063	.3802	.1313
48	.267	.0348	.0394	.0083	.0997	.1672	.0670
49	.272	.0318	.0330	.0019	.0272	.0446	.0160
50	.278	.0296	.0316	.0005	.0172	.0193	.0064
51	.283	.0336	.0346	.0035	.0247	.1102	.0380
52	.289	.0417	.0490	.0180	.1540	.2938	.0980
53	.294	.0392	.0394	.0087	.1915	.3529	.1219
54	.300	.0391	.0404	.0093	.2326	.4287	.1481
55	.306	.0461	.0419	.0098	.2820	.5199	.1796
56	.311	.0365	.0341	.0037	.1042	.1920	.0663
57	.317	.0290	.0313	.0000	.0000	.0000	.0000
58	.322	.0188	.0195	.0000	.0000	.0000	.0000
59	.328	.0201	.0196	.0000	.0000	.0000	.0000
60	.333	.0208	.0206	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 12/12/58 AV. T= 9.4 RECORD = JHG149
HOUR = 0 SIG.HGT. = 26.8 UPPER HGT. = 29.7
TOTAL DF =120 CORR. VAR. = 48.8 LOWER HGT. = 24.2
NOISE LEVEL = .0275 WIND SPEED = 19

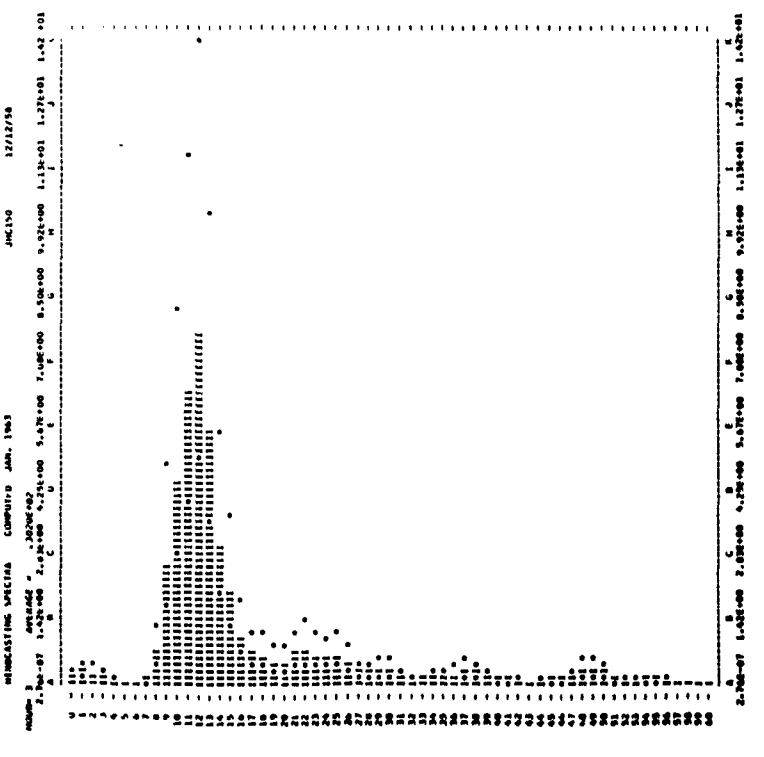
N	FRE. UNIT=PT.2	FILTERED	-NOISE	CORR.PT.2	UPPER	LOWER
0	.000	.2048	.2048	.1772	.1772	.3266	.1128
1	.006	.4196	.4196	.3983	.3823	.7231	.2490
2	.011	.5332	.5332	.5080	.5059	.9525	.3221
3	.017	.2794	.2794	.2521	.2521	.4647	.1609
4	.022	.1493	.1493	.1230	.1230	.2264	.0777
5	.028	.1508	.1508	.1315	.1315	.2424	.0837
6	.033	.1226	.1226	.0993	.1582	.2768	.0956
7	.039	.0672	.0672	.0399	.0838	.0977	.0337
8	.044	.0579	.0579	.0366	.0364	.0672	.0232
9	.050	.1292	.1292	.1019	.1131	.2085	.0720
10	.056	.2938	.2935	.2262	.2465	.4432	.1531
11	.061	1.3236	1.3236	1.2983	1.3678	2.4827	.8577
12	.067	4.2298	4.2295	4.2022	4.3182	7.9663	2.7448
13	.072	6.3690	6.3690	6.2417	6.5066	11.9826	4.1430
14	.078	5.6615	5.6615	5.6342	5.8314	10.7481	3.7131
15	.083	4.9375	4.9375	4.9102	5.1626	9.5134	3.2872
16	.089	4.1103	4.1103	4.0830	4.3415	8.0029	2.7644
17	.094	2.8070	2.8070	2.7797	2.1044	4.0262	1.3909
18	.100	1.1084	1.1084	1.0811	1.2367	2.2684	.7837
19	.106	1.1949	1.1949	1.1676	1.3784	2.5408	.8777
20	.111	.9664	.9664	.9391	1.1532	2.1256	.7343
21	.117	.7277	.7277	.7004	.8977	1.6544	.5716
22	.122	.6423	.6423	.6150	.8296	1.5217	.5257
23	.128	.5180	.5180	.4907	.6921	1.2757	.4407
24	.133	.3428	.3428	.3155	.4689	.8642	.2986
25	.139	.2723	.2723	.2450	.3854	.7104	.2454
26	.144	.3036	.3036	.2763	.4410	.8497	.2935
27	.150	.3410	.3410	.3137	.5564	1.0255	.3543
28	.156	.2890	.2890	.2977	.4875	.8986	.3104
29	.161	.2229	.2229	.1956	.3957	.7292	.2520
30	.167	.1787	.1787	.1514	.3286	.6057	.2092
31	.172	.1484	.1484	.1211	.2824	.5206	.1798
32	.178	.1439	.1439	.1166	.2935	.5409	.1869
33	.183	.1340	.1340	.1076	.2929	.5591	.1842
34	.189	.1189	.1189	.0836	.2665	.4543	.1569
35	.194	.0811	.0811	.0538	.1723	.3175	.1097
36	.200	.0612	.0612	.0339	.1183	.2181	.0753
37	.206	.0751	.0751	.0458	.1745	.3216	.1111
38	.211	.0926	.0926	.0653	.2724	.5021	.1735
39	.217	.0826	.0826	.0553	.2535	.4671	.1614
40	.222	.0737	.0798	.0518	.2609	.4809	.1661
41	.228	.0862	.0813	.0540	.3005	.5539	.1913
42	.233	.0792	.0773	.0500	.3076	.5670	.1959
43	.239	.0646	.0683	.0410	.2797	.5155	.1781
44	.244	.0648	.0618	.0345	.2617	.4824	.1666
45	.250	.0530	.0513	.0243	.2050	.3779	.1305
46	.256	.0334	.0367	.0094	.0886	.1633	.0564
47	.261	.0229	.0249	.0000	.0000	.0000	.0000
48	.267	.0184	.0218	.0000	.0000	.0000	.0000
49	.272	.0277	.0287	.0016	.0185	.0341	.0118
50	.278	.0409	.0364	.0091	.0891	.0168	.0058
51	.283	.0361	.0343	.0070	.0670	.0130	.0045
52	.289	.0242	.0303	.0030	.0030	.0055	.0019
53	.294	.0367	.0359	.0086	.0086	.0159	.0055
54	.300	.0460	.0399	.0127	.0127	.0233	.0081
55	.306	.0311	.0317	.0044	.0044	.0081	.0028
56	.311	.0186	.0217	.0000	.0000	.0000	.0000
57	.317	.0186	.0186	.0000	.0000	.0000	.0000
58	.322	.0183	.0187	.0000	.0000	.0000	.0000
59	.328	.0200	.0203	.0000	.0000	.0000	.0000
60	.333	.0231	.0215	.0000	.0000	.0000	.0000



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 12/12/58 AV. T= 9.8 RECORD = JHG150
HOUR = 3 SIG.HGT. = 26.7 UPPER HGT. = 29.7
TOTAL DF =112 CORR. VAR. = 44.5 LOWER HGT. = 23.9
NOISE LEVEL = .0111 WIND SPEED = 0

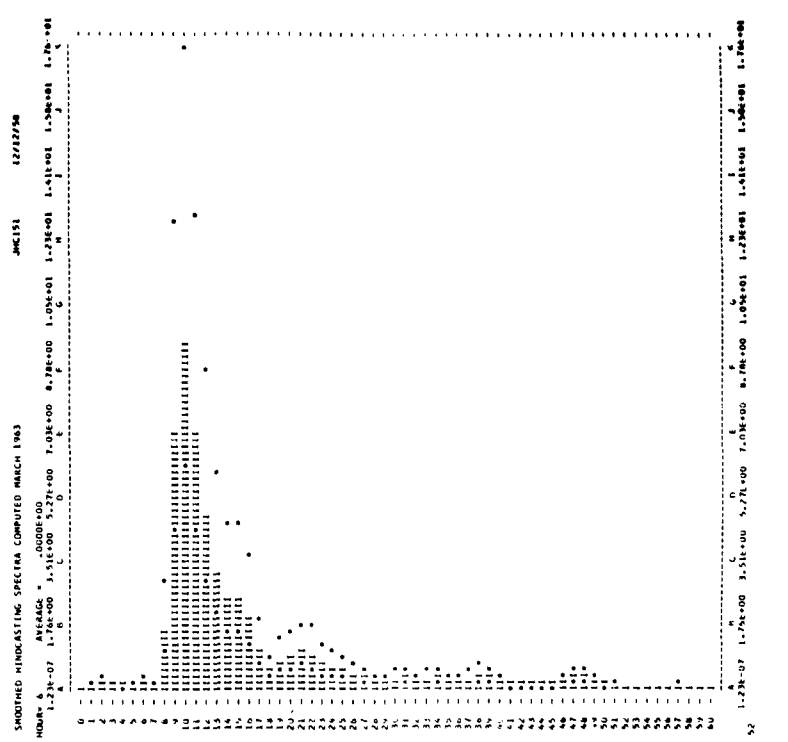
N	FRE. UNIT=PT.2	FILTERED	-NOISE	CORR.PT.2	UPPER	LOWER
0	.000	.2034	.2034	.1893	.1893	.3488	.1205
1	.006	.2271	.2271	.2129	.2129	.3925	.1356
2	.011	.2252	.2252	.2110	.2110	.3890	.1344
3	.017	.1435	.1435	.1293	.1293	.2384	.0824
4	.022	.0542	.0542	.0400	.0400	.0738	.0255
5	.028	.0212	.0212	.0070	.0070	.0129	.0045
6	.033	.0166	.0166	.0024	.0038	.0071	.0024
7	.039	.0689	.0639	.0547	.0726	.1339	.0463
8	.044	.5912	.5912	.5771	.6872	1.2666	.4376
9	.050	2.3456	2.3456	2.3314	2.5077	4.7696	1.6477
10	.056	4.1726	4.1726	4.1584	4.4204	8.1475	2.8147
11	.061	6.1053	6.1053	6.0911	6.3196	11.6479	4.0239
12	.067	7.5067	7.5067	7.4925	7.6851	14.1647	4.8934
13	.072	5.4944	5.4944	5.4803	5.5917	10.2879	3.5561
14	.078	2.9179	2.9179	2.9037	3.0054	5.5393	1.9136
15	.083	1.8836	1.8836	1.8693	1.9653	3.6224	1.2514
16	.089	.9853	.9853	.9712	1.0324	1.9033	.6575
17	.094	.6035	.6035	.5893	.6503	1.1986	.4141
18	.100	.5288	.5288	.5139	.5850	1.0782	.3725
19	.106	.4138	.4138	.3996	.4718	.8696	.3004
20	.111	.3757	.3757	.3616	.4448	.8184	.2827
21	.117	.5227	.5227	.5086	.6519	1.2015	.4151
22	.122	.5634	.5634	.5492	.7373	1.3590	.4695
23	.128	.4417	.4417	.4275	.6030	1.1114	.3840
24	.133	.3987	.3987	.3846	.5719	1.0542	.3642
25	.139	.4073	.4073	.3931	.6186	1.1398	.3938
26	.144	.2996	.2996	.2855	.4761	.8778	.3033
27	.150	.1581	.1581	.1440	.2554	.4707	.1626
28	.156	.1360	.1360	.1219	.2306	.4251	.1468
29	.161	.1678	.1678	.1537	.3109	.5731	.1980
30	.167	.1491	.1491	.1350	.2924	.5389	.1862
31	.172	.0725	.0725	.0583	.1361	.2508	.0866
32	.178	.0361	.0361	.0200	.0503	.0927	.0320
33	.183	.0594	.0594	.0413	.1121	.2067	.0714
34	.189	.0716	.0716	.0575	.1695	.3125	.1079
35	.194	.0611	.0611	.0470	.1505	.2773	.0958
36	.200	.0717	.0717	.0576	.2009	.3702	.1279
37	.206	.0976	.0976	.0833	.3171	.5845	.2019
38	.211	.0757	.0757	.0615	.2948	.5433	.1878
39	.217	.0422	.0422	.0280	.1284	.2366	.0817
40	.222	.0360	.0360	.0208	.1051	.1937	.0669
41	.228	.0298	.0293	.0151	.0861	.1569	.0535
42	.233	.0235	.0233	.0091	.0644	.1038	.0359
43	.239	.0165	.0187	.0046	.0513	.0577	.0199
44	.244	.0184	.0198	.0057	.0433	.0798	.0276
45	.250	.0260	.0233	.0091	.0772	.1423	.0492
46	.256	.0226	.0244	.0102	.0965	.1779	.0615
47	.261	.0262	.0298	.0156	.1655	.3051	.1054
48	.267	.0442	.0396	.0254	.2996	.5521	.1907
49	.272	.0429	.0391	.0249	.3331	.6140	.2121
50	.278	.0262	.0206	.0163	.2157	.3976	.1374
51	.283	.0184	.0186	.0093	.0932	.1718	.0594
52	.289	.0195	.0186	.0823	.0948	.0811	.0280
53	.294	.0184	.0185	.0824	.0926	.0969	.0335
54	.300	.0179	.0171	.0029	.0735	.1354	.0468
55	.306	.0181	.0186	.0029	.0711	.1311	.0453
56	.311	.0184	.0161	.0028	.0659	.1214	.0419
57	.317	.0157	.0166	.0004	.0167	.0308	.0106
58	.322	.0105	.0108	.0000	.0000	.0000	.0000
59	.328	.0063	.0076	.0000	.0000	.0000	.0000
60	.333	.0060	.0063	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 12/12/50 AV. T= 10.3 RECORD = JMC191
HOUR = 6 SIG.HGT. = 29.2 UPPER HGT. = 32.5
TOTAL OF =114 CORR. VAR. = 93.1 LOWER HGT. = 26.2
NOISE LEVEL = .0167 WIND SPEED = 25

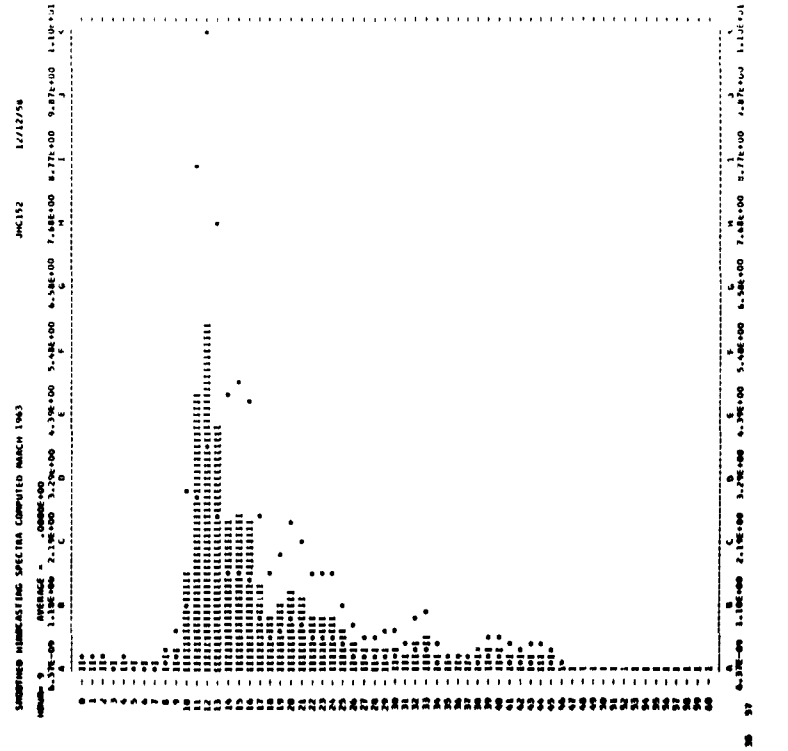
M	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0385	.0385	.0218	.0218	.0402	.0130
1	.006	.0918	.0918	.0751	.0751	.1386	.0478
2	.011	.1725	.1725	.1558	.1558	.2872	.0992
3	.017	.1574	.1574	.1407	.1407	.2595	.0896
4	.022	.1449	.1449	.1282	.1282	.2363	.0816
5	.028	.0977	.0977	.0810	.0810	.1493	.0516
6	.033	.1111	.1111	.0944	.1487	.2741	.0947
7	.039	.0545	.0545	.0378	.0502	.0925	.0320
8	.044	1.3611	1.3611	1.3444	1.6009	2.9507	1.0194
9	.050	6.2714	6.2714	6.2547	6.9421	12.7953	4.4203
10	.056	8.9813	8.9813	8.9646	9.5296	17.5640	6.0677
11	.061	6.7764	6.7764	6.7597	7.0132	12.9263	4.4656
12	.067	4.6161	4.6161	4.5994	4.7176	8.6952	3.0039
13	.072	3.1307	3.1307	3.1140	3.1950	5.8888	2.0344
14	.078	2.4012	2.4012	2.3845	2.4480	4.5088	1.5714
15	.083	2.3449	2.3449	2.3282	2.4679	4.5118	1.5587
16	.089	1.9081	1.9081	1.8914	2.0111	3.7068	1.2806
17	.094	.9876	.9876	.9709	1.0713	1.9745	.6821
18	.100	.4743	.4743	.4576	.5209	.9602	.3317
19	.106	.4351	.4351	.4184	.4300	1.3455	.4648
20	.111	.7158	.7158	.6991	.8585	1.5823	.5466
21	.117	.7755	.7755	.7588	.9726	1.7926	.6193
22	.122	.7009	.7009	.6842	.9185	1.6929	.5848
23	.128	.4677	.4677	.4510	.6361	1.1725	.4051
24	.133	.3743	.3743	.3576	.5318	.9802	.3386
25	.139	.3254	.3254	.3087	.4856	.8951	.3092
26	.144	.2667	.2667	.2500	.4171	.7688	.2656
27	.150	.1953	.1953	.1786	.3168	.5838	.2017
28	.156	.1177	.1177	.1010	.1911	.3522	.1217
29	.161	.1051	.1051	.0884	.1788	.3296	.1139
30	.167	.1340	.1340	.1173	.2546	.4692	.1621
31	.172	.1369	.1369	.1202	.2803	.5167	.1785
32	.178	.1020	.1020	.0853	.2147	.3957	.1367
33	.183	.1113	.1113	.0946	.2571	.4739	.1637
34	.189	.1067	.1067	.0900	.2653	.4890	.1689
35	.194	.0832	.0832	.0665	.2129	.3924	.1356
36	.200	.0782	.0782	.0615	.2146	.3956	.1367
37	.206	.0851	.0851	.0684	.2605	.4802	.1659
38	.211	.0972	.0972	.0805	.3358	.6189	.2138
39	.217	.0755	.0755	.0588	.2695	.4966	.1716
40	.222	.0412	.0482	.0315	.1587	.2924	.1010
41	.228	.0348	.0373	.0206	.1148	.2117	.0731
42	.233	.0386	.0371	.0204	.1258	.2319	.0801
43	.239	.0366	.0363	.0196	.1338	.2467	.0852
44	.244	.0335	.0323	.0156	.1183	.2181	.0753
45	.250	.0256	.0284	.0117	.0993	.1830	.0632
46	.256	.0291	.0329	.0162	.1535	.2829	.0977
47	.261	.0480	.0428	.0261	.2766	.5099	.1761
48	.267	.0463	.0632	.0265	.3145	.5796	.2002
49	.272	.0321	.0340	.0173	.2316	.4269	.1475
50	.278	.0256	.0257	.0090	.1354	.2495	.0862
51	.283	.0194	.0198	.0031	.0529	.0975	.0337
52	.289	.0148	.0191	.0000	.0000	.0000	.0000
53	.294	.0114	.0113	.0000	.0000	.0000	.0000
54	.300	.0076	.0095	.0000	.0000	.0000	.0000
55	.306	.0114	.0117	.0000	.0000	.0000	.0000
56	.311	.0183	.0194	.0000	.0000	.0000	.0000
57	.317	.0183	.0183	.0000	.0000	.0000	.0000
58	.322	.0213	.0209	.0042	.0042	.0077	.0027
59	.328	.0231	.0224	.0057	.0057	.0105	.0036
60	.333	.0221	.0226	.0059	.0059	.0109	.0038



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 12/12/50 AV. T= 9.4 RECORD = JMC192
HOUR = 9 SIG.HGT. = 25.4 UPPER HGT. = 27.9
TOTAL OF =147 CORR. VAR. = 40.2 LOWER HGT. = 23.1
NOISE LEVEL = .0403 WIND SPEED = 35

M	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1673	.1673	.1270	.1270	.2341	.0809
1	.006	.1659	.1659	.1256	.1256	.2315	.0800
2	.011	.1361	.1361	.0958	.0958	.1766	.0610
3	.017	.1194	.1194	.0791	.0751	.1385	.0478
4	.022	.1353	.1353	.0950	.0950	.1751	.0605
5	.028	.1033	.1033	.0630	.0630	.1162	.0401
6	.033	.0803	.0803	.0400	.0631	.1162	.0401
7	.039	.0827	.0827	.0424	.0563	.1038	.0359
8	.044	.1902	.1902	.1498	.1785	.3291	.1137
9	.050	.3520	.3520	.3117	.3480	.6377	.2203
10	.056	1.6066	1.6066	1.5663	1.6650	3.0688	1.0602
11	.061	4.5546	4.5546	4.5143	4.6836	8.6328	2.9822
12	.067	5.8422	5.8422	5.8019	5.9510	10.9688	3.7893
13	.072	4.1138	4.1138	4.0735	4.1794	7.7033	2.6612
14	.078	2.5291	2.5291	2.4888	2.5759	4.7478	1.6402
15	.083	2.5750	2.5750	2.5347	2.6650	4.9120	1.6969
16	.089	2.3643	2.3643	2.3240	2.4711	4.5547	1.5735
17	.094	1.3492	1.3492	1.3049	1.4399	2.6537	.9168
18	.100	.8503	.8503	.8100	.9221	1.6996	.5872
19	.106	.9562	.9562	.9159	1.0812	1.9929	.6885
20	.111	1.1477	1.1477	1.1074	1.1599	2.9065	.8659
21	.117	.9816	.9816	.9413	1.0065	2.2237	.7682
22	.122	.7017	.7017	.6614	.8879	1.6365	.5654
23	.128	.6752	.6752	.6349	.8956	1.6506	.5702
24	.133	.6313	.6313	.5910	.8789	1.6200	.5596
25	.139	.4374	.4374	.3971	.6247	1.1514	.3978
26	.144	.2771	.2771	.2368	.3981	.7283	.2516
27	.150	.2102	.2102	.1699	.3016	.5555	.1919
28	.156	.2032	.2032	.1629	.3082	.5681	.1963
29	.161	.2281	.2281	.1878	.3799	.7003	.2419
30	.167	.1914	.1914	.1511	.3280	.6045	.2088
31	.172	.1530	.1530	.1127	.2629	.4845	.1674
32	.178	.2211	.2211	.1808	.4551	.8388	.2898
33	.183	.2337	.2337	.1934	.5257	.9690	.3348
34	.189	.1261	.1261	.0858	.2530	.4663	.1611
35	.194	.0686	.0686	.0283	.0907	.1671	.0577
36	.200	.0725	.0729	.0322	.1125	.2073	.0716
37	.206	.0731	.0731	.0328	.1250	.2304	.0796
38	.211	.0886	.0886	.0483	.2016	.3715	.1284
39	.217	.1026	.1026	.0623	.2856	.5266	.1819
40	.222	.1006	.0984	.0582	.2932	.5405	.1867
41	.228	.0900	.0857	.0454	.2525	.4654	.1608
42	.233	.0621	.0706	.0303	.1867	.3441	.1189
43	.239	.0683	.0710	.0307	.2095	.3862	.1334
44	.244	.0855	.0752	.0350	.2652	.4889	.1689
45	.250	.0621	.0629	.0222	.1878	.3462	.1196
46	.256	.0605	.0649	.0067	.0441	.0813	.0281
47	.261	.0367	.0370	.0000	.0000	.0000	.0000
48	.267	.0340	.0337	.0000	.0000	.0000	.0000
49	.272	.0301	.0304	.0000	.0000	.0000	.0000
50	.278	.0282	.0299	.0000	.0000	.0000	.0000
51	.283	.0332	.0350	.0000	.0000	.0000	.0000
52	.289	.0495	.0496	.0033	.0033	.0061	.0021
53	.294	.0502	.0469	.0067	.0067	.0123	.0042
54	.300	.0416	.0423	.0020	.0020	.0037	.0013
55	.306	.0352	.0374	.0000	.0000	.0000	.0000
56	.311	.0373	.0402	.0000	.0000	.0000	.0000
57	.317	.0411	.0408	.0002	.0002	.0004	.0002
58	.322	.0443	.0402	.0079	.0079	.0146	.0050
59	.328	.0331	.0348	.0000	.0000	.0000	.0000
60	.333	.0186	.0258	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 12/12/50 AV. Tc = 9.5 RECORD = JHC193
HOUR = 12 SIG.HGT. = 28.0 UPPER HGT. = 31.8
TOTAL DF =144 CORR. VAR. = 52.1 LOWER HGT. = 24.2
NOISE LEVEL = .0301 WIND SPEED = 35

N	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.2301	.2301	.1998	.1998	.3668	.1267
1	.006	.2426	.2426	.2035	.2035	.3750	.1296
2	.011	.2814	.2814	.2423	.2423	.4468	.1543
3	.017	.2841	.2841	.2498	.2498	.4515	.1560
4	.022	.1810	.1810	.1619	.1619	.2615	.0903
5	.028	.1173	.1173	.0782	.0782	.1441	.0498
6	.033	.1180	.1180	.0717	.1129	.2082	.0719
7	.039	.0911	.0911	.0520	.0690	.1272	.0439
8	.044	.0966	.0966	.0575	.0685	.1262	.0436
9	.050	.5189	.5189	.4798	.5325	.9815	.3391
10	.056	2.3068	2.3068	2.2687	2.4884	4.6391	1.5935
11	.061	5.1402	5.1402	5.1101	5.3817	9.7718	3.3758
12	.067	6.7002	6.7002	6.6611	6.8323	12.5929	4.3504
13	.072	5.7919	5.7919	5.7128	5.8613	10.8033	3.7321
14	.078	4.4076	4.4076	4.3685	4.5214	8.3336	2.8789
15	.083	4.3893	4.3893	4.3502	4.5138	8.3192	2.9123
16	.089	3.7395	3.7395	3.7004	3.9346	7.2521	2.5053
17	.094	1.9244	1.9244	1.8853	2.0802	3.8342	1.3246
18	.100	1.0863	1.0863	1.0472	1.1921	2.1972	.7591
19	.106	1.2260	1.2260	1.1869	1.4011	2.5825	.8921
20	.111	1.2829	1.2829	1.2438	1.5274	2.8152	.9725
21	.117	1.0370	1.0370	.9978	1.2790	2.3574	.8144
22	.122	.7317	.7317	.6926	.9267	1.7136	.5920
23	.128	.5405	.5405	.5014	.7105	1.3243	.4575
24	.133	.4561	.4561	.4170	.6171	1.1376	.3929
25	.139	.3854	.3854	.3463	.5447	1.0040	.3469
26	.144	.3075	.3075	.2684	.4478	.8253	.2851
27	.150	.2341	.2341	.1950	.3458	.6376	.2202
28	.156	.2456	.2456	.2065	.3906	.7200	.2487
29	.161	.3166	.3166	.2775	.5613	1.0346	.3574
30	.167	.2573	.2573	.2182	.4735	.8728	.3015
31	.172	.1628	.1628	.1237	.2884	.5316	.1837
32	.178	.1910	.1910	.1119	.2816	.5190	.1793
33	.183	.1325	.1325	.0934	.2538	.4678	.1616
34	.189	.1138	.1138	.0747	.2202	.4058	.1402
35	.194	.1039	.1039	.0648	.2074	.3823	.1321
36	.200	.0661	.0661	.0270	.0942	.1736	.0600
37	.206	.0559	.0559	.0168	.0639	.1178	.0407
38	.211	.0780	.0780	.0389	.1622	.2990	.1033
39	.217	.0750	.0750	.0359	.1646	.3031	.1047
40	.222	.0690	.0785	.0394	.1985	.3659	.1264
41	.228	.1010	.0936	.0545	.3030	.5585	.1929
42	.233	.1034	.0934	.0543	.3361	.6197	.2127
43	.239	.0669	.0761	.0370	.2388	.4401	.1520
44	.244	.0613	.0663	.0271	.1914	.3527	.1219
45	.250	.0689	.0662	.0271	.2293	.4227	.1460
46	.256	.0659	.0649	.0258	.2435	.4488	.1550
47	.261	.0589	.0593	.0202	.2132	.3930	.1358
48	.267	.0534	.0541	.0150	.1783	.3286	.1135
49	.272	.0508	.0503	.0112	.1495	.2755	.0952
50	.278	.0462	.0468	.0077	.1159	.2136	.0738
51	.283	.0460	.0453	.0062	.0722	.1331	.0460
52	.289	.0392	.0379	.0000	.0000	.0000	.0000
53	.294	.0291	.0299	.0000	.0000	.0000	.0000
54	.300	.0221	.0251	.0000	.0000	.0000	.0000
55	.306	.0270	.0288	.0000	.0000	.0000	.0000
56	.311	.0391	.0393	.0002	.0076	.0140	.0049
57	.317	.0522	.0480	.0089	.0089	.0163	.0056
58	.322	.0484	.0480	.0089	.0089	.0164	.0057
59	.328	.0430	.0455	.0064	.0064	.0118	.0041
60	.333	.0477	.0453	.0062	.0062	.0115	.0040

HINDCASTING SPECTRA COMPUTED JAN. 1963

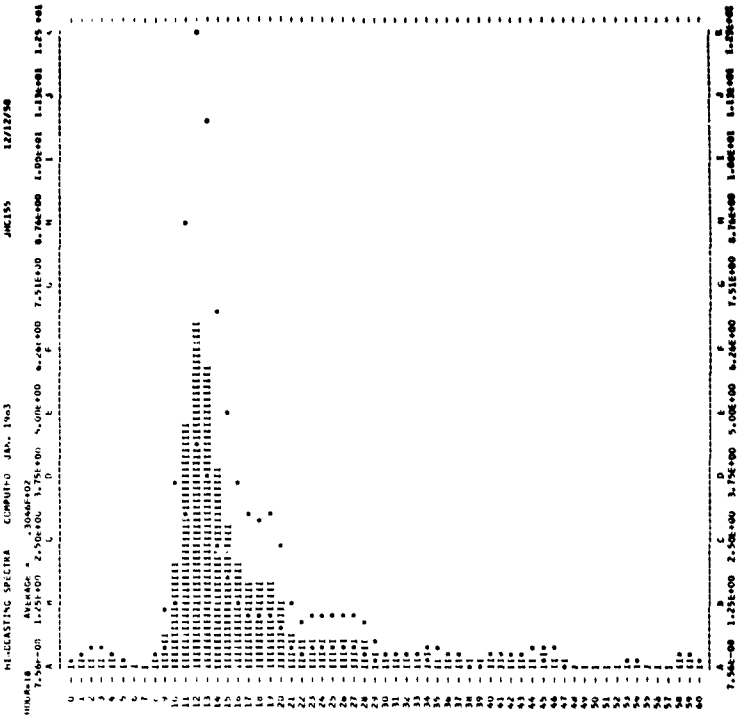
DATE = 12/12/50 AV. Tc = 9.3 RECORD = JHC194
HOUR = 15 SIG.HGT. = 30.7 UPPER HGT. = 34.1
TOTAL DF =120 CORR. VAR. = 58.9 LOWER HGT. = 27.4
NOISE LEVEL = .0325 WIND SPEED = 35

N	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0638	.0638	.0313	.0313	.0577	.0199
1	.006	.1624	.1624	.1301	.1301	.2398	.0828
2	.011	.3004	.3004	.2679	.2679	.4938	.1706
3	.017	.2702	.2702	.2377	.2377	.4382	.1514
4	.022	.1893	.1891	.1568	.1568	.2891	.0999
5	.028	.1423	.1423	.1099	.1099	.2025	.0700
6	.033	.0716	.0716	.0389	.0613	.1130	.0390
7	.039	.0539	.0553	.0216	.0266	.0523	.0181
8	.044	.1396	.1396	.1069	.1273	.2346	.0810
9	.050	.7714	.7714	.7393	.8246	1.5174	.5245
10	.056	3.3490	3.3490	3.3075	3.5159	6.4802	2.2387
11	.061	8.0826	8.0826	8.0501	8.3520	15.3940	5.3180
12	.067	9.8196	9.8196	9.7871	10.0367	18.5028	6.3920
13	.072	8.5995	8.5995	8.5670	8.7377	12.61 6	6.2402
14	.078	6.3695	6.3695	6.3370	6.4681	8.2354	4.8650
15	.083	5.7075	5.7075	5.6751	5.8840	7.1219	4.6665
16	.089	2.5914	2.5914	2.5590	2.7209	5.0151	1.7325
17	.094	1.8278	1.8278	1.7953	1.9810	3.6512	1.2616
18	.100	1.5097	1.5097	1.4772	1.6817	3.0975	1.0708
19	.106	1.2000	1.2000	1.1675	1.3783	2.5404	.8776
20	.111	.9247	.8747	.7922	.9729	1.7931	.6199
21	.117	.8251	.8251	.7926	1.0159	1.8724	.6469
22	.122	.8712	.8712	.8388	1.1259	2.0753	.7169
23	.128	.7715	.7715	.7390	1.0026	1.7213	.6637
24	.133	.4636	.4636	.4311	.6385	1.1298	.3976
25	.139	.4931	.4931	.4606	.7246	1.3355	.4614
26	.144	.3723	.3723	.3398	.5669	1.0450	.3610
27	.150	.3245	.3245	.2921	.4598	.9588	.3310
28	.156	.2505	.2505	.2180	.4124	.7602	.2626
29	.161	.1600	.1600	.1275	.2174	.4008	.1384
30	.167	.1216	.1216	.0891	.1934	.3565	.1232
31	.172	.1696	.1696	.1371	.3197	.5893	.2036
32	.178	.2074	.2026	.1699	.4277	.7882	.2723
33	.183	.1859	.1859	.1534	.4170	.7687	.2655
34	.189	.1252	.1252	.0927	.2734	.5039	.1741
35	.194	.1001	.1001	.0677	.2167	.3994	.1380
36	.200	.1021	.1021	.0696	.2429	.4478	.1547
37	.206	.0757	.0757	.0433	.1571	.2896	.1001
38	.211	.0666	.0666	.0341	.1424	.2624	.0907
39	.217	.0845	.0845	.0521	.2387	.4399	.1520
40	.222	.0876	.0826	.0501	.2527	.4658	.1609
41	.228	.0711	.0710	.0385	.2161	.3984	.1383
42	.233	.0563	.0599	.0275	.1689	.3114	.1076
43	.239	.0601	.0594	.0270	.1838	.3388	.1171
44	.244	.0633	.0580	.0256	.1939	.3575	.1236
45	.250	.0655	.0659	.0336	.2332	.4300	.1486
46	.256	.0292	.0369	.0046	.0384	.0707	.0244
47	.261	.0423	.0410	.0085	.0904	.1667	.0576
48	.267	.0506	.0534	.0109	.1335	.2396	.0828
49	.272	.0307	.0335	.0018	.0238	.0439	.0152
50	.278	.0223	.0257	.0000	.0000	.0000	.0000
51	.283	.0275	.0282	.0043	.0090	.0000	.0000
52	.289	.0352	.0357	.0093	.0634	.1168	.0403
53	.294	.0449	.0421	.0057	.1130	.2026	.0696
54	.300	.0435	.0423	.0099	.2676	.4559	.1576
55	.306	.0375	.0374	.0051	.1469	.2708	.0935
56	.311	.0328	.0321	.0000	.0000	.0000	.0000
57	.317	.0269	.0287	.0000	.0000	.0000	.0000
58	.322	.0290	.0274	.0000	.0000	.0000	.0000
59	.328	.0265	.0259	.0000	.0000	.0000	.0000
60	.333	.0217	.0241	.0000	.0000	.0000	.0000

HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 12/12/58 AV. T= 9.7 RECORD = JHC155
HOUR = 18 SIG.HGT. = 26.3 UPPER HGT. = 29.1
TOTAL DF =127 CORR. VAR. = 63.1 LOWER HGT. = 23.7
NOISE LEVEL = .0250 WIND SPEED = 30

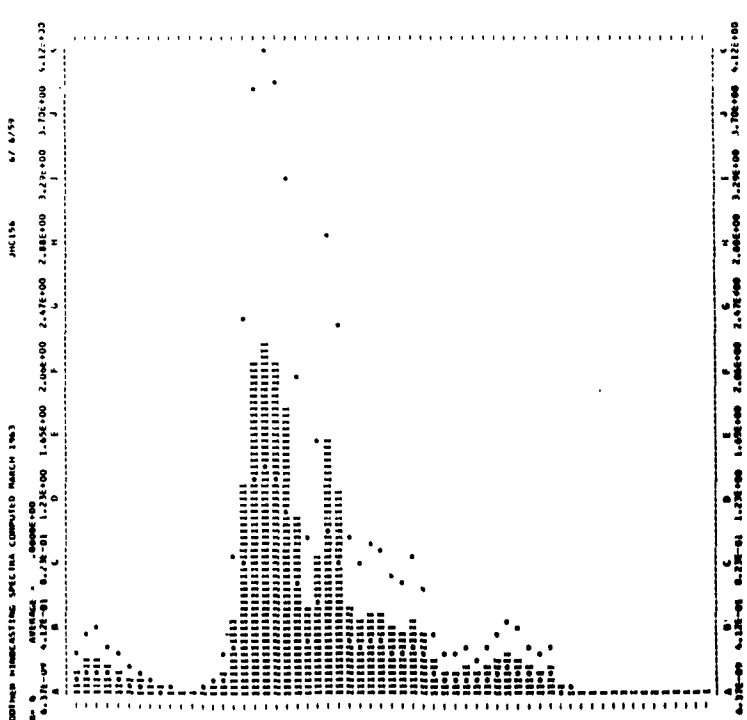
M	PRE. UNIT*FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0828	.0828	.0578	.0578	.1065	.0368
1	.006	.1421	.1421	.1172	.1172	.2160	.0746
2	.011	.2063	.2061	.1793	.1793	.3305	.1142
3	.017	.2067	.2067	.1817	.1817	.3350	.1157
4	.022	.1586	.1586	.1286	.1286	.2370	.0819
5	.028	.0696	.0696	.0446	.0446	.0823	.0284
6	.033	.0314	.0314	.0065	.0102	.0188	.0065
7	.039	.0336	.0336	.0087	.0115	.0212	.0073
8	.044	.1391	.1391	.1141	.1359	.2505	.0865
9	.050	.5750	.5750	.5500	.6109	1.1252	.3887
10	.056	1.9076	1.9076	1.8826	2.0012	3.6885	1.2743
11	.061	4.5858	4.5858	4.5609	4.7319	8.7216	3.0130
12	.067	6.6430	6.6430	6.6180	6.7881	12.5115	4.3223
13	.072	5.7146	5.7146	5.6897	5.8376	10.7596	3.7170
14	.078	3.7172	3.7172	3.6923	3.8215	7.0436	2.4333
15	.083	2.6117	2.6117	2.5868	2.7197	5.0129	1.7318
16	.089	1.8057	1.8057	1.7808	1.9492	3.5944	1.2416
17	.094	1.5016	1.5016	1.4767	1.6293	3.0031	1.0375
18	.100	1.4078	1.4078	1.3829	1.5765	2.9016	1.0024
19	.106	1.3841	1.3841	1.3591	1.6044	2.9572	1.0216
20	.111	1.0846	1.0846	1.0597	1.2767	2.3531	.8129
21	.117	.5512	.5512	.5263	.6745	1.2432	.4295
22	.122	.3890	.3890	.3640	.4847	.9007	.3112
23	.128	.4116	.4116	.3866	.5453	1.0051	.3472
24	.133	.3810	.3810	.3561	.5295	.9760	.3372
25	.139	.3779	.3779	.3529	.5551	1.0232	.3535
26	.144	.3482	.3482	.3233	.5393	.9941	.3434
27	.150	.3238	.3238	.2988	.5300	.9769	.3375
28	.156	.2764	.2764	.2519	.4765	.8783	.3034
29	.161	.1682	.1682	.1432	.2898	.5341	.1845
30	.167	.0997	.0997	.0747	.1622	.2990	.1033
31	.172	.0917	.0917	.0668	.1557	.2870	.0991
32	.178	.0871	.0871	.0622	.1504	.2843	.0996
33	.183	.0871	.0871	.0622	.1690	.3115	.1076
34	.189	.0954	.0954	.0704	.2075	.3825	.1321
35	.194	.0826	.0826	.0577	.1847	.3404	.1176
36	.200	.0677	.0677	.0427	.1490	.2746	.0949
37	.206	.0575	.0575	.0326	.1240	.2285	.0789
38	.211	.0412	.0412	.0163	.0679	.1252	.0432
39	.217	.0396	.0396	.0147	.0673	.1240	.0428
40	.222	.0567	.0516	.0046	.1342	.2473	.0854
41	.228	.0533	.0508	.0296	.1423	.2623	.0906
42	.233	.0389	.0428	.0178	.1097	.2021	.0698
43	.239	.0400	.0420	.0170	.1160	.2138	.0739
44	.244	.0430	.0480	.0230	.1748	.3222	.1113
45	.250	.0541	.0408	.0259	.2188	.4032	.1393
46	.256	.0462	.0445	.0196	.1849	.3408	.1177
47	.261	.0316	.0327	.0077	.0819	.1510	.0522
48	.267	.0213	.0229	.0000	.0000	.0000	.0000
49	.272	.0175	.0183	.0000	.0000	.0000	.0000
50	.278	.0171	.0179	.0000	.0000	.0000	.0000
51	.283	.0196	.0203	.0000	.0000	.0000	.0000
52	.289	.0230	.0480	.0230	.0000	.0000	.0000
53	.294	.0243	.0275	.0025	.0555	.1023	.0353
54	.300	.0283	.0270	.0021	.0571	.0961	.0332
55	.306	.0233	.0236	.0000	.0000	.0000	.0000
56	.311	.0194	.0213	.0000	.0000	.0000	.0000
57	.317	.0228	.0238	.0000	.0000	.0000	.0000
58	.322	.0301	.0279	.0030	.1289	.2377	.0821
59	.328	.0287	.0277	.0027	.1367	.2519	.0870
60	.333	.0252	.0260	.0010	.0588	.1084	.0374



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 6/ 6/59 AV. T= 7.6 RECORD = JHC156
HOUR = 0 SIG.HGT. = 18.9 UPPER HGT. = 20.6
TOTAL DF =161 CURR. VAR. = 22.4 LOWER HGT. = 17.4
NOISE LEVEL = .0196 WIND SPEED = 40

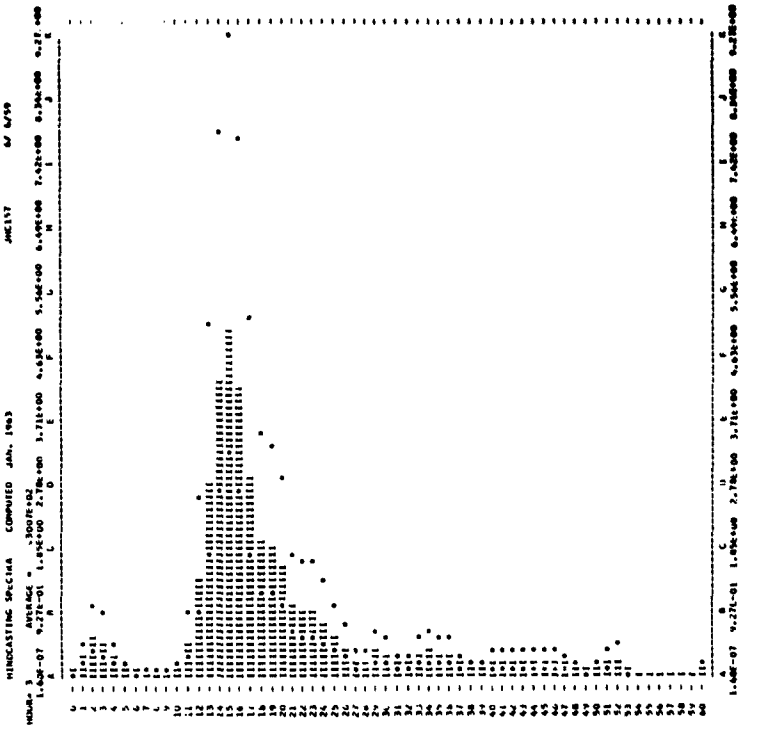
M	PRE. UNIT*FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1529	.1529	.1333	.1333	.2458	.0849
1	.006	.2130	.2130	.1934	.1934	.3565	.1232
2	.011	.2357	.2357	.2161	.2161	.3984	.1376
3	.017	.1852	.1852	.1656	.1656	.3053	.1055
4	.022	.1587	.1587	.1391	.1391	.2564	.0886
5	.028	.1102	.1102	.0906	.0906	.1670	.0577
6	.033	.0635	.0635	.0439	.0692	.1276	.0441
7	.039	.0535	.0535	.0339	.0451	.0830	.0287
8	.044	.0465	.0465	.0269	.0321	.0591	.0204
9	.050	.0348	.0348	.0152	.0169	.0312	.0108
10	.056	.0268	.0268	.0052	.0056	.0103	.0035
11	.061	.0282	.0282	.0086	.0090	.0165	.0057
12	.067	.0392	.0392	.0196	.0201	.0371	.0128
13	.072	.0706	.0706	.0510	.0524	.0965	.0333
14	.078	.1564	.1564	.1368	.1416	.2610	.0902
15	.083	.4665	.4665	.4469	.4678	.8622	.2978
16	.089	1.2450	1.2450	1.2254	1.3030	2.4016	.8297
17	.094	1.9321	1.9321	1.9125	2.1109	3.8896	1.3437
18	.100	1.9813	1.9813	1.9617	2.2332	4.1162	1.4220
19	.106	1.8078	1.8078	1.7882	2.1110	3.8909	1.3442
20	.111	1.4784	1.4784	1.4593	1.7921	3.3030	1.1411
21	.117	.8757	.8757	.8561	1.0973	2.0225	.6987
22	.122	.6215	.6215	.6019	.7596	.9965	.3636
23	.128	.6405	.6405	.6209	.8758	1.6143	.5577
24	.133	1.0887	1.0887	1.0691	1.5899	2.9304	1.0124
25	.139	.8224	.8224	.8028	1.2629	2.3278	.8042
26	.144	.3418	.3418	.3222	.5376	.9909	.3423
27	.150	.2680	.2680	.2484	.4406	.8121	.2806
28	.156	.2853	.2853	.2657	.5027	.9266	.3201
29	.161	.2665	.2665	.2469	.4995	.9207	.3181
30	.167	.2090	.2090	.1894	.4111	.7578	.2618
31	.172	.1827	.1827	.1631	.3806	.7012	.2422
32	.178	.2023	.2023	.1827	.4599	.8477	.2928
33	.183	.1509	.1909	.1313	.3570	.6580	.2273
34	.189	.0871	.0871	.0675	.1901	.3869	.1288
35	.194	.0602	.0602	.0406	.1301	.2398	.0828
36	.200	.0583	.0583	.0387	.1352	.2491	.0861
37	.206	.0612	.0612	.0416	.1586	.2923	.1010
38	.211	.0483	.0483	.0287	.1199	.2209	.0763
39	.217	.0517	.0517	.0321	.1673	.2714	.0938
40	.222	.0635	.0610	.0414	.2086	.3845	.1328
41	.228	.0651	.0625	.0430	.2391	.4406	.1522
42	.233	.0585	.0549	.0353	.2173	.4006	.1384
43	.239	.0615	.0638	.0243	.1696	.3052	.1054
44	.244	.0399	.0378	.0182	.1381	.2545	.0879
45	.250	.0378	.0391	.0195	.1651	.3043	.1051
46	.256	.0449	.0626	.0231	.0231	.0425	.0147
47	.261	.0430	.0307	.0201	.0201	.0371	.0128
48	.267	.0270	.0290	.0103	.0103	.0189	.0065
49	.272	.0285	.0228	.0033	.0033	.0061	.0021
50	.278	.0225	.0220	.0026	.0026	.0044	.0015
51	.283	.0224	.0214	.0018	.0018	.0033	.0012
52	.289	.0182	.0182	.0000	.0000	.0000	.0000
53	.294	.0166	.0166	.0003	.0000	.0000	.0000
54	.300	.0191	.0194	.0000	.0000	.0000	.0000
55	.306	.0230	.0227	.0031	.0031	.0058	.0020
56	.311	.0217	.0214	.0018	.0018	.0033	.0012
57	.317	.0171	.0190	.0000	.0000	.0000	.0000
58	.322	.0202	.0196	.0000	.0000	.0000	.0000
59	.328	.0201	.0192	.0000	.0000	.0000	.0000
60	.333	.0183	.0182	.0000	.0000	.0000	.0000



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 6/ 6/59 AV. T= 9.5 RECORD = JMC197
HOUR = 6 SIG.HGT. = 26.7 UPPER HGT. = 27.1
TOTAL DF =154 CORR. VAR. = 38.2 LOWER HGT. = 22.5
NOISE LEVEL = .0207 WIND SPEED = 40

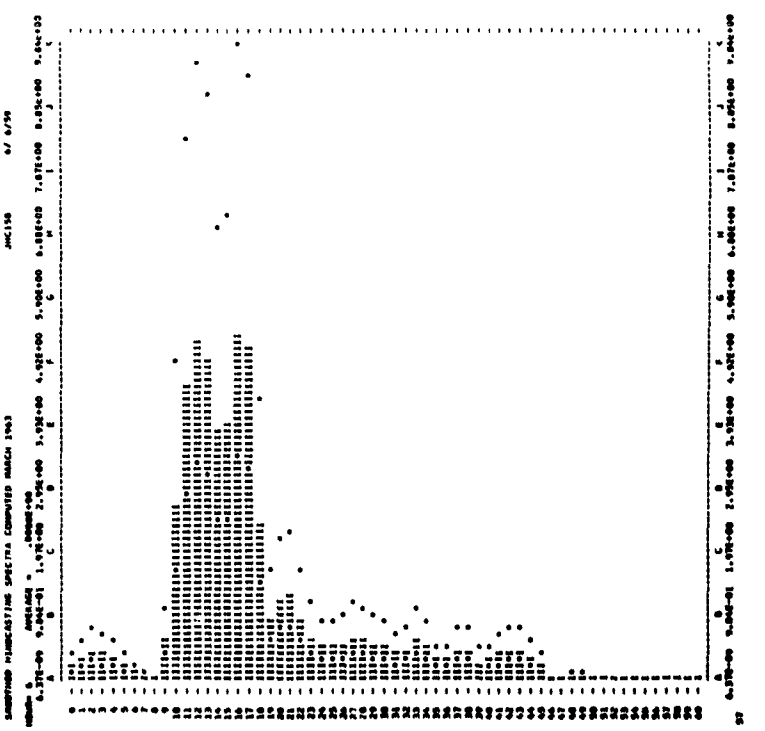
N	FRQ.	UNIT-FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0918	.0918	.0710	.0710	.1300	.0452
1	.006	.2900	.2900	.2782	.2782	.4988	.1728
2	.011	.5680	.5680	.5472	.5472	1.0086	.3464
3	.017	.5064	.5064	.4856	.4856	.8950	.3062
4	.022	.2773	.2773	.2666	.2666	.4729	.1634
5	.028	.1201	.1201	.0993	.0993	.1851	.0633
6	.033	.0568	.0568	.0361	.0361	.0647	.0342
7	.039	.0670	.0670	.0263	.0349	.0642	.0222
8	.044	.0641	.0641	.0234	.0279	.0514	.0177
9	.050	.0585	.0585	.0377	.0419	.0772	.0267
10	.056	.1357	.1357	.1149	.1222	.2252	.0778
11	.061	.4958	.4958	.4750	.4928	.9084	.3138
12	.067	1.4079	1.4079	1.3872	1.4228	2.6225	.9060
13	.072	2.7862	2.7862	2.7154	2.7860	5.1351	1.7760
14	.078	4.1690	4.1690	4.1482	4.2393	7.8018	2.7312
15	.083	4.8043	4.8043	4.7835	5.0294	9.2699	3.2024
16	.089	3.9763	3.9763	3.9556	4.2060	7.7522	2.6781
17	.094	2.9918	2.9918	2.9710	2.8369	5.2288	1.8064
18	.100	1.6976	1.6976	1.6768	1.9089	3.5184	1.2155
19	.106	1.5715	1.5713	1.5505	1.8304	3.3737	1.1655
20	.111	1.5080	1.5080	1.2873	1.5808	2.9136	1.0066
21	.117	.7816	.7816	.7609	.9752	1.7975	.6210
22	.122	.6807	.6807	.6599	.8859	1.6328	.5641
23	.128	.6621	.6621	.6414	.9046	1.6676	.5760
24	.133	.5240	.5240	.5033	.7484	1.3794	.4765
25	.139	.3864	.3864	.3654	.5791	1.0601	.3662
26	.144	.2552	.2552	.2345	.3912	.7210	.2491
27	.150	.1383	.1383	.1175	.2085	.3843	.1328
28	.156	.1398	.1398	.1191	.2252	.4151	.1434
29	.161	.1969	.1969	.1761	.3563	.6568	.2269
30	.167	.1563	.1563	.1356	.2962	.5623	.1873
31	.172	.0805	.0805	.0598	.1396	.2569	.0888
32	.178	.0864	.0864	.0656	.1652	.3045	.1052
33	.183	.1300	.1300	.1092	.2968	.5471	.1890
34	.189	.1320	.1320	.1113	.3280	.6046	.2089
35	.194	.1177	.1177	.0970	.3108	.5726	.1977
36	.200	.1029	.1029	.0822	.2867	.5284	.1826
37	.206	.0651	.0651	.0444	.1690	.3114	.1076
38	.211	.0406	.0406	.0199	.0829	.1528	.0528
39	.217	.0477	.0477	.0269	.1233	.2272	.0785
40	.224	.0602	.0560	.0392	.1778	.3272	.1130
41	.228	.0557	.0552	.0344	.1916	.3531	.1220
42	.233	.0491	.0507	.0299	.1841	.3393	.1172
43	.239	.0488	.0480	.0273	.1842	.3432	.1186
44	.244	.0455	.0467	.0259	.1967	.3625	.1252
45	.250	.0469	.0454	.0247	.2086	.3844	.1328
46	.256	.0424	.0417	.0210	.1981	.3651	.1261
47	.261	.0352	.0357	.0150	.1585	.2921	.1009
48	.267	.0301	.0297	.0090	.1063	.1960	.0677
49	.272	.0233	.0296	.0048	.0644	.1186	.0410
50	.278	.0254	.0272	.0065	.0980	.1807	.0624
51	.283	.0348	.0328	.0120	.2054	.3786	.1308
52	.289	.0362	.0325	.0117	.2268	.4181	.1444
53	.294	.0228	.0239	.0031	.0484	.0893	.0436
54	.300	.0138	.0170	.0000	.0000	.0000	.0000
55	.306	.0176	.0169	.0000	.0000	.0000	.0000
56	.311	.0170	.0157	.0000	.0000	.0000	.0000
57	.317	.0113	.0131	.0000	.0000	.0000	.0000
58	.322	.0129	.0144	.0000	.0000	.0000	.0000
59	.328	.0204	.0194	.0000	.0000	.0000	.0000
60	.333	.0241	.0222	.0015	.0868	.1600	.0593



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 6/ 6/59 AV. T= 9.2 RECORD = JMC198
HOUR = 6 SIG.HGT. = 28.6 UPPER HGT. = 32.3
TOTAL DF =167 CORR. VAR. = 54.6 LOWER HGT. = 27.0
NOISE LEVEL = .0344 WIND SPEED = 50

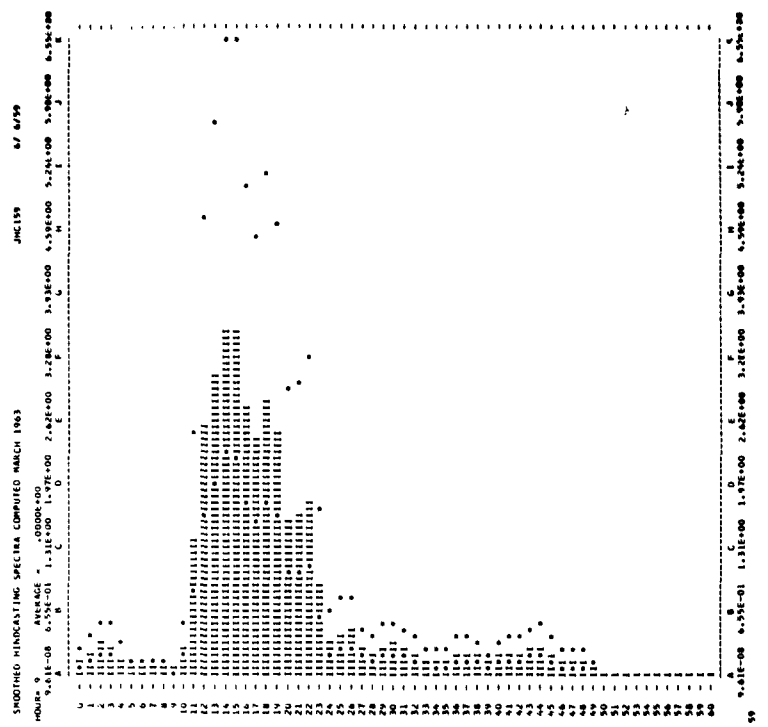
N	FRQ.	UNIT-FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.2236	.2236	.1072	.1072	.3451	.1192
1	.006	.3502	.3502	.3138	.3138	.5784	.1998
2	.011	.4613	.4613	.4249	.4249	.7832	.2706
3	.017	.4208	.4208	.3844	.3844	.7085	.2448
4	.022	.3546	.3546	.3182	.3182	.5865	.2026
5	.028	.2322	.2322	.1958	.1958	.3609	.1247
6	.033	.0950	.0950	.0586	.0924	.1702	.0588
7	.039	.0593	.0593	.0229	.0304	.0561	.0194
8	.044	.0239	.0239	.0000	.0000	.0000	.0000
9	.050	.5585	.5585	.5221	.5795	1.0681	.3690
10	.056	2.5902	2.5902	2.5138	2.6722	4.9252	1.7015
11	.061	4.4126	4.4126	4.3762	4.5403	8.3685	2.8910
12	.067	5.0946	5.0946	5.0582	5.1882	9.5627	3.3035
13	.072	4.8005	4.8005	4.7641	4.8880	9.0093	3.1124
14	.078	3.7077	3.7077	3.6713	3.7998	7.0036	2.4199
15	.083	3.7459	3.7459	3.7095	3.8998	7.1879	2.4831
16	.089	5.0590	5.0590	5.0186	5.3363	9.8356	3.3978
17	.094	4.6379	4.6379	4.6015	5.0773	9.3582	3.2329
18	.100	2.1185	2.1185	2.0821	2.3703	4.3688	1.5093
19	.106	.8016	.8016	.7652	.9033	1.6650	.5752
20	.111	.9849	.9849	.9485	1.1648	2.1469	.7417
21	.117	.9961	.9961	.9597	1.2301	2.2672	.7832
22	.122	.7266	.7266	.6902	.9266	1.7078	.5900
23	.128	.6715	.6715	.6351	.8137	1.5312	.5908
24	.133	.3705	.3705	.3341	.4949	.9158	.3164
25	.139	.3276	.3276	.2912	.4581	.8444	.2917
26	.144	.3506	.3506	.3142	.5262	.9662	.3338
27	.150	.3957	.3957	.3593	.6373	1.1746	.4058
28	.156	.3483	.3483	.3119	.5901	1.0876	.3757
29	.161	.2954	.2954	.2590	.5240	.9658	.3336
30	.167	.2667	.2667	.2303	.4999	.9214	.3183
31	.172	.1878	.1878	.1514	.3531	.6509	.2248
32	.178	.2066	.2066	.1702	.4284	.7897	.2728
33	.183	.2582	.2582	.2218	.6029	1.1113	.3839
34	.189	.1939	.1939	.1575	.6044	.8959	.2957
35	.194	.1733	.1733	.1369	.5783	.5129	.1772
36	.200	.1282	.1282	.0938	.5925	.5392	.1863
37	.206	.1903	.1903	.1139	.4339	.7997	.2763
38	.211	.1992	.1992	.1028	.4269	.7906	.2731
39	.217	.0895	.0895	.0931	.3926	.4481	.1590
40	.222	.0842	.0981	.0937	.4709	.4993	.1725
41	.228	.1826	.1802	.0638	.3949	.6542	.2260
42	.233	.1114	.1802	.0718	.4416	.8148	.2812
43	.239	.1073	.1805	.0661	.4371	.8057	.2783
44	.244	.0799	.0795	.0431	.3270	.6028	.2082
45	.250	.0589	.0642	.0278	.2351	.4334	.1497
46	.256	.0631	.0596	.0233	.2233	.0429	.0148
47	.261	.0539	.0575	.0211	.0211	.0389	.0134
48	.267	.0498	.0613	.0249	.0249	.0459	.0171
49	.272	.0800	.0795	.0342	.0342	.0630	.0218
50	.278	.0626	.0597	.0236	.0236	.0435	.0149
51	.283	.0342	.0602	.0038	.0038	.0070	.0024
52	.289	.0799	.0331	.0000	.0000	.0000	.0000
53	.294	.0304	.0393	.0030	.0030	.0055	.0019
54	.300	.0567	.0461	.0097	.0097	.0179	.0062
55	.306	.0449	.0615	.0051	.0051	.0094	.0032
56	.311	.0262	.0311	.0000	.0000	.0000	.0000
57	.317	.0276	.0297	.0000	.0000	.0000	.0000
58	.322	.0376	.0345	.0000	.0000	.0000	.0000
59	.328	.0396	.0349	.0000	.0000	.0000	.0000
60	.333	.0312	.0333	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 6/ 6/59 AV. T= 8.8 RECORD = JMC159
HOUR = 9 SIG.HGT. = 24.7 UPPER HGT. = 26.9
TOTAL DF =178 CORR. VAR. = 38.0 LOWER HGT. = 22.6
NOISE LEVEL = .0203 WIND SPEED = 40

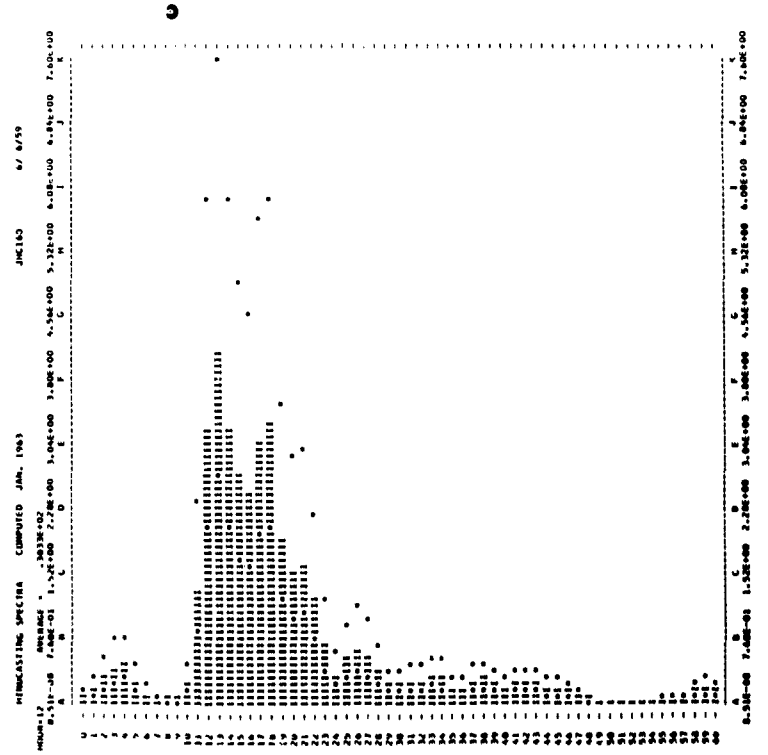
N	FRE.	UNIT=FT.2 FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1707	.1707	.1504	.1904	.2723	.0958
1	.006	.2369	.2369	.2166	.2166	.3993	.1379
2	.011	.3206	.3206	.3003	.3003	.5535	.1912
3	.017	.2961	.2961	.2738	.2738	.5047	.1744
4	.022	.1817	.1817	.1614	.1614	.2976	.1028
5	.028	.0876	.0876	.0673	.0673	.1241	.0429
6	.033	.0587	.0587	.0384	.0409	.1116	.0385
7	.039	.0694	.0694	.0491	.0652	.1202	.0415
8	.044	.0729	.0729	.0526	.0627	.1155	.0399
9	.050	.0517	.0517	.0314	.0349	.0643	.0222
10	.056	.2824	.2826	.2621	.2786	.5136	.1774
11	.061	1.3197	1.3197	1.2994	1.3440	2.4772	.8558
12	.067	2.5015	2.5015	2.4812	2.5450	4.6908	1.6205
13	.072	3.0236	3.0236	3.0033	3.0814	5.6795	1.9621
14	.078	3.4539	3.4539	3.4336	3.5538	6.5502	2.2628
15	.083	3.3897	3.3897	3.3694	3.5426	6.5296	2.2557
16	.089	2.6080	2.6080	2.5877	2.7515	5.0715	1.7520
17	.094	2.2431	2.2431	2.2228	2.4527	4.5206	1.5617
18	.100	2.4872	2.4872	2.4669	2.8084	5.1762	1.7882
19	.106	2.1561	2.1561	2.1358	2.5213	4.6472	1.6054
20	.111	1.3233	1.3233	1.3030	1.6001	2.9493	1.0189
21	.117	1.3043	1.3043	1.2840	1.6457	3.0333	1.0479
22	.122	1.3326	1.3326	1.3123	1.7617	3.2470	1.1217
23	.128	.6751	.6751	.6548	.9236	1.7024	.5881
24	.133	.2573	.2573	.2370	.3525	.6497	.2244
25	.139	.2898	.2898	.2695	.4260	.7815	.2700
26	.144	.2802	.2802	.2599	.4327	.7973	.2761
27	.150	.1682	.1682	.1479	.2624	.4836	.1671
28	.156	.1400	.1400	.1197	.2269	.4175	.1442
29	.161	.1652	.1652	.1449	.2932	.5404	.1867
30	.167	.1561	.1561	.1358	.2948	.5436	.1877
31	.172	.1338	.1338	.1135	.2648	.4880	.1686
32	.178	.1027	.1077	.0924	.2075	.3824	.1321
33	.183	.0781	.0781	.0578	.1572	.2897	.1001
34	.189	.0704	.0704	.0501	.1478	.2724	.0941
35	.194	.0682	.0682	.0479	.1535	.2828	.0977
36	.200	.0776	.0776	.0573	.2001	.3688	.1274
37	.206	.0802	.0802	.0599	.2283	.4207	.1453
38	.211	.0599	.0599	.0396	.1653	.3047	.1053
39	.217	.0447	.0447	.0244	.1119	.2063	.0713
40	.222	.0591	.0566	.0363	.1831	.3375	.1166
41	.228	.0635	.0596	.0396	.2190	.4037	.1394
42	.233	.0525	.0568	.0366	.2250	.4147	.1433
43	.239	.0589	.0583	.0381	.2595	.4783	.1652
44	.244	.0630	.0579	.0377	.2858	.5267	.1820
45	.250	.0969	.0965	.0763	.2221	.4093	.1414
46	.256	.0396	.0342	.0139	.1315	.2424	.0838
47	.261	.0311	.0321	.0118	.1249	.2301	.0795
48	.267	.0367	.0325	.0123	.1455	.2683	.0927
49	.272	.0256	.0260	.0058	.0772	.1424	.0492
50	.278	.0163	.0182	.0000	.0000	.0000	.0000
51	.283	.0108	.0155	.0000	.0000	.0000	.0000
52	.289	.0163	.0165	.0000	.0000	.0000	.0000
53	.294	.0186	.0170	.0000	.0000	.0000	.0000
54	.300	.0167	.0153	.0000	.0000	.0000	.0000
55	.306	.0131	.0156	.0000	.0000	.0000	.0000
56	.311	.0215	.0202	.0000	.0000	.0000	.0000
57	.317	.0247	.0220	.0018	.0018	.0033	.0011
58	.322	.0173	.0213	.0010	.0010	.0018	.0006
59	.328	.0258	.0269	.0067	.0067	.0123	.0042
60	.333	.0388	.0323	.0120	.0120	.0222	.0077



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 6/ 6/59 AV. T= 8.6 RECORD = JMC160
HOUR = 12 SIG.HGT. = 25.0 UPPER HGT. = 27.3
TOTAL DF =178 CORR. VAR. = 39.1 LOWER HGT. = 23.0
NOISE LEVEL = .0253 WIND SPEED = 40

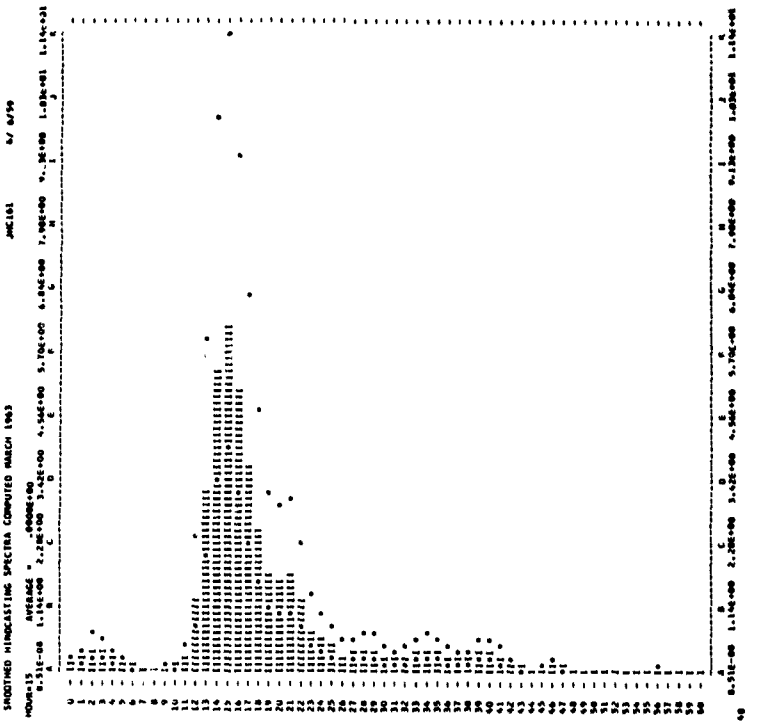
N	FRE.	UNIT=FT.2 FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0967	.0967	.0696	.0696	.1279	.0442
1	.006	.1776	.1776	.1523	.1523	.2807	.0970
2	.011	.3206	.3206	.2952	.2952	.5442	.1880
3	.017	.4368	.4368	.4115	.4115	.7584	.2620
4	.022	.4575	.4575	.4321	.4321	.7965	.2752
5	.028	.2670	.2670	.2417	.2417	.4454	.1539
6	.033	.0914	.0914	.0661	.1041	.1919	.0663
7	.039	.0492	.0492	.0239	.0317	.0584	.0202
8	.044	.0704	.0704	.0451	.0537	.0990	.0342
9	.050	.0609	.0609	.0356	.0395	.0728	.0252
10	.056	.2986	.2986	.2732	.2679	.4970	.1579
11	.061	1.2606	1.2606	1.2353	1.2816	2.3622	.8161
12	.067	3.1703	3.1703	3.1450	3.2258	5.9456	2.0540
13	.072	4.0462	4.0462	4.0209	4.1295	7.6038	2.6288
14	.078	3.1389	3.1389	3.1136	3.2225	5.9346	2.0519
15	.083	2.5645	2.5645	2.5392	2.6697	4.9206	1.6999
16	.089	2.3438	2.3438	2.3185	2.4653	4.5439	1.5697
17	.094	2.8154	2.8154	2.7900	3.0785	5.6742	1.9602
18	.100	2.8673	2.8673	2.8420	3.2353	5.9631	2.0600
19	.106	1.6281	1.6281	1.6028	1.8921	3.4874	1.2048
20	.111	1.2866	1.2866	1.2613	1.5489	2.8548	.9862
21	.117	1.2926	1.2926	1.2670	1.6239	2.9932	1.0340
22	.122	.9277	.9277	.9023	1.2113	2.2326	.7713
23	.128	.4880	.4880	.4627	.6526	1.2028	.4155
24	.133	.2436	.2436	.2183	.3246	.5983	.2067
25	.139	.3613	.3613	.3360	.4970	.9161	.3165
26	.144	.3950	.3950	.3697	.6168	1.1368	.3927
27	.150	.3281	.3281	.3028	.5371	.9899	.3420
28	.156	.2255	.2255	.2001	.3786	.6978	.2411
29	.161	.1396	.1396	.1103	.2232	.4113	.1421
30	.167	.1191	.1191	.0937	.2035	.3750	.1296
31	.172	.1301	.1301	.1048	.2446	.4509	.1558
32	.178	.1214	.1214	.0961	.2418	.4456	.1540
33	.183	.1380	.1380	.1127	.3063	.5646	.1951
34	.189	.1738	.1238	.0984	.2902	.5348	.1848
35	.194	.0831	.0831	.0578	.1853	.3410	.1178
36	.200	.0775	.0775	.0522	.1820	.3355	.1159
37	.206	.0907	.0907	.0653	.2489	.4588	.1585
38	.211	.0899	.0899	.0642	.2676	.4933	.1704
39	.217	.0692	.0692	.0439	.2012	.3708	.1281
40	.222	.0579	.0616	.0362	.1826	.3366	.1163
41	.228	.0612	.0608	.0355	.1972	.3635	.1256
42	.233	.0629	.0599	.0346	.2128	.3923	.1355
43	.239	.0528	.0596	.0281	.1917	.3533	.1220
44	.244	.0453	.0480	.0228	.1716	.3163	.1093
45	.250	.0485	.0450	.0197	.1662	.3064	.1058
46	.256	.0378	.0383	.0130	.1226	.2260	.0781
47	.261	.0293	.0319	.0066	.0695	.1280	.0442
48	.267	.0313	.0292	.0038	.0697	.0843	.0291
49	.272	.0249	.0241	.0000	.0000	.0000	.0000
50	.278	.0193	.0179	.0000	.0000	.0000	.0000
51	.283	.0161	.0177	.0000	.0000	.0000	.0000
52	.289	.0232	.0222	.0000	.0000	.0000	.0000
53	.294	.0261	.0251	.0000	.0000	.0000	.0000
54	.300	.0247	.0256	.0003	.0079	.0146	.0050
55	.306	.0270	.0261	.0009	.0270	.0497	.0172
56	.311	.0264	.0260	.0007	.0231	.0426	.0147
57	.317	.0244	.0261	.0008	.0295	.0544	.0188
58	.322	.0293	.0281	.0028	.1210	.2230	.0770
59	.328	.0295	.0285	.0032	.1599	.2948	.1018
60	.333	.0258	.0277	.0023	.1348	.2484	.0858



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 6/ 6/59 AV. T= 9.1 RECORD = JMC161
HOUR = 15 SIG.HGT. = 26.0 UPPER HGT. = 20.8
TOTAL OF =129 CORR. VAR. = 42.2 LOWER HGT. = 21.5
NOISE LEVEL = .0339 WIND SPEED = 40

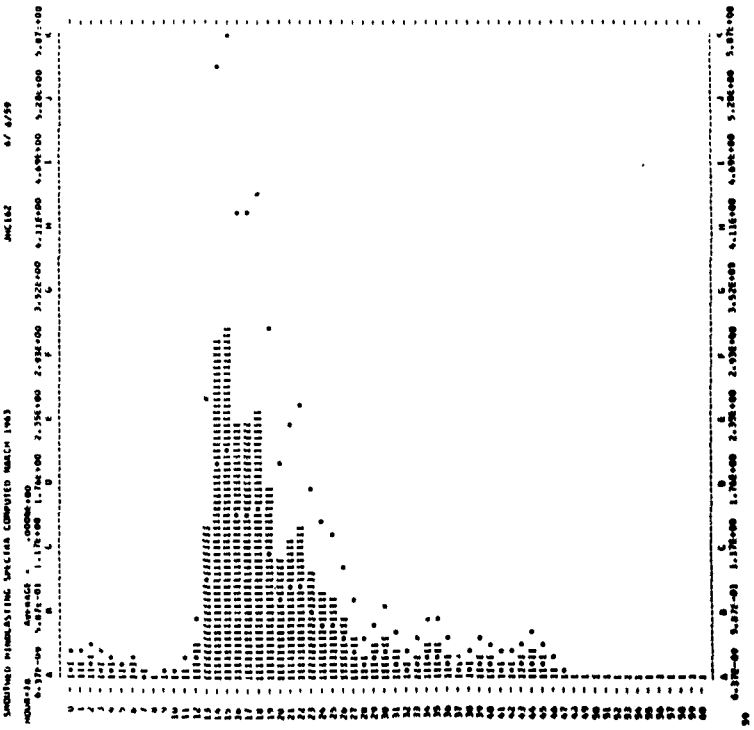
M	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1394	.1394	.1055	.1055	.1945	.0672
1	.006	.2313	.2313	.1974	.1974	.3630	.1257
2	.011	.3762	.3762	.3423	.3423	.6310	.2188
3	.017	.3616	.3616	.3277	.3277	.6041	.2087
4	.022	.2236	.2236	.1897	.1897	.3497	.1208
5	.028	.1293	.1293	.0954	.0954	.1759	.0608
6	.033	.0777	.0777	.0438	.0681	.1273	.0440
7	.039	.0567	.0567	.0228	.0383	.0598	.0193
8	.044	.0597	.0597	.0258	.0308	.0567	.0196
9	.050	.0706	.0706	.0367	.0408	.0752	.0260
10	.056	.1069	.1069	.0726	.0772	.1423	.0492
11	.061	.2976	.2976	.2637	.2736	.5044	.1742
12	.067	1.2851	1.2851	1.2512	1.2834	2.3655	.8172
13	.072	3.1692	3.1692	3.1353	3.2160	5.9281	2.0483
14	.078	5.2291	5.2291	5.1952	5.3771	9.9108	3.4238
15	.083	5.9199	5.9199	5.8860	6.1886	11.4065	3.9405
16	.089	4.7906	4.7906	4.7567	5.0153	9.2440	3.1935
17	.094	3.3557	3.3557	3.3218	3.5693	6.5787	2.2330
18	.100	2.2760	2.2760	2.2421	2.5925	4.7806	1.6253
19	.106	1.5075	1.5075	1.4736	1.7396	3.2064	1.1077
20	.111	1.3501	1.3501	1.3162	1.6163	2.9792	1.0292
21	.117	1.3428	1.3428	1.3089	1.6777	3.0922	1.0632
22	.122	.9414	.9414	.9075	1.2183	2.2455	.7757
23	.128	.5408	.5408	.5069	.7150	1.3179	.4553
24	.133	.4172	.4172	.3833	.5701	1.0507	.3630
25	.139	.2921	.2921	.2582	.4062	.7488	.2587
26	.144	.2033	.2033	.1694	.2927	.5211	.1800
27	.150	.1986	.1986	.1647	.2922	.5386	.1861
28	.156	.2328	.2328	.1989	.3764	.6937	.2396
29	.161	.2148	.2148	.1809	.3660	.6747	.2331
30	.167	.1529	.1529	.1190	.2584	.4762	.1645
31	.172	.1262	.1262	.0923	.2154	.3969	.1371
32	.178	.1337	.1337	.0998	.2511	.4632	.1600
33	.183	.1521	.1521	.1182	.3214	.5924	.2046
34	.189	.1525	.1525	.1186	.3498	.6446	.2227
35	.194	.1319	.1319	.0980	.3139	.5786	.1999
36	.200	.1099	.1099	.0760	.2654	.4892	.1690
37	.206	.0867	.0867	.0528	.2013	.3710	.1282
38	.211	.0867	.0867	.0508	.2121	.3909	.1351
39	.217	.1076	.1076	.0737	.3379	.6229	.2152
40	.222	.1087	.1001	.0662	.3939	.6155	.2126
41	.228	.0754	.0775	.0436	.2426	.4471	.1545
42	.233	.0569	.0569	.0210	.1295	.2386	.0824
43	.239	.0434	.0426	.0087	.0596	.1099	.0380
44	.244	.0332	.0366	.0027	.0208	.0384	.0133
45	.250	.0366	.0389	.0050	.0424	.0782	.0270
46	.256	.0441	.0443	.0104	.0984	.1814	.0627
47	.261	.0423	.0418	.0079	.0860	.1549	.0535
48	.267	.0335	.0355	.0016	.0195	.0360	.0124
49	.272	.0327	.0319	.0000	.0000	.0000	.0000
50	.278	.0287	.0313	.0000	.0000	.0000	.0000
51	.283	.0350	.0343	.0004	.0072	.0132	.0046
52	.289	.0384	.0351	.0012	.0241	.0444	.0153
53	.294	.0286	.0306	.0000	.0000	.0000	.0000
54	.300	.0267	.0286	.0000	.0000	.0000	.0000
55	.306	.0318	.0318	.0000	.0000	.0000	.0000
56	.311	.0368	.0350	.0011	.0376	.0693	.0239
57	.317	.0346	.0341	.0002	.0083	.0153	.0053
58	.322	.0303	.0329	.0000	.0000	.0000	.0000
59	.328	.0366	.0366	.0027	.0923	.0051	.0017
60	.333	.0429	.0397	.0059	.0059	.0109	.0038



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 6/ 6/59 AV. T= 8.9 RECORD = JMC162
HOUR = 18 SIG.HGT. = 21.2 UPPER HGT. = 23.2
TOTAL OF =163 CORR. VAR. = 28.1 LOWER HGT. = 19.4
NOISE LEVEL = .0218 WIND SPEED = 35

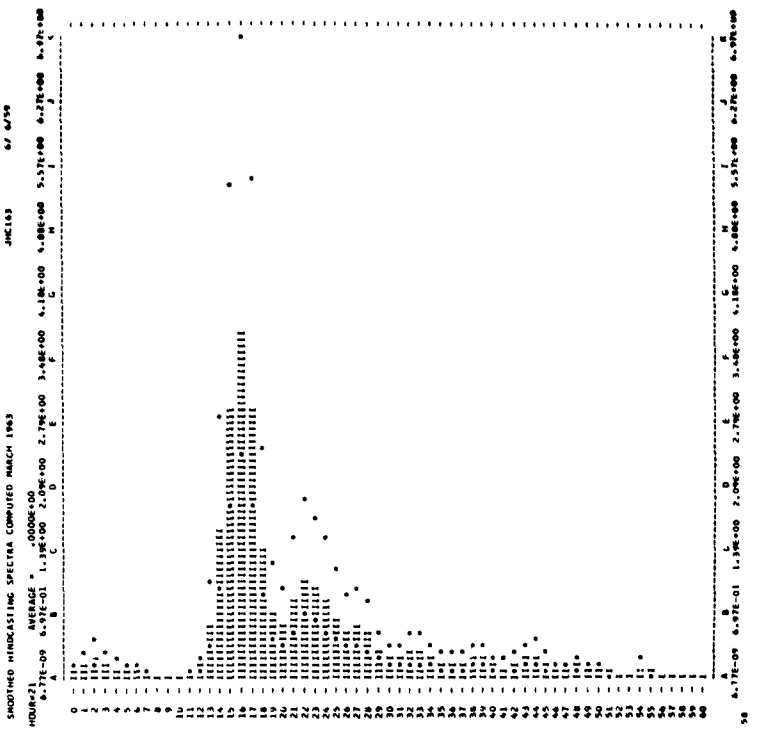
M	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1409	.1409	.1191	.1191	.2196	.0759
1	.006	.1600	.1600	.1382	.1382	.2548	.0880
2	.011	.1709	.1709	.1491	.1491	.2749	.0950
3	.017	.1566	.1566	.1348	.1348	.2485	.0859
4	.022	.1229	.1229	.1011	.1011	.1864	.0644
5	.028	.0992	.0992	.0774	.0774	.1427	.0493
6	.033	.0825	.0825	.0607	.0967	.1744	.0609
7	.039	.0507	.0907	.0289	.0384	.0708	.0245
8	.044	.0333	.0333	.0115	.0137	.0253	.0087
9	.050	.0366	.0366	.0148	.0165	.0303	.0105
10	.056	.0439	.0439	.0221	.0235	.0434	.0150
11	.061	.0987	.0987	.0769	.0798	.1471	.0508
12	.067	.3145	.3145	.2927	.3003	.5534	.1912
13	.072	1.3550	1.3550	1.3332	1.3679	2.5212	.8710
14	.078	2.9501	2.9501	2.9283	3.0308	5.5863	1.9298
15	.083	3.0496	3.0496	3.0278	3.1935	5.8876	2.0270
16	.089	2.1816	2.1816	2.1598	2.2965	4.2329	1.4623
17	.094	2.1048	2.1048	2.0830	2.2984	4.2363	1.4635
18	.100	2.1251	2.1251	2.1033	2.3944	4.4133	1.5246
19	.106	1.4759	1.4759	1.4541	1.7168	3.1640	1.0930
20	.111	.8857	.8857	.8639	1.0609	1.9554	.6755
21	.117	1.0009	1.0009	.9791	1.2550	2.3131	.7991
22	.122	1.0114	1.0114	.9896	1.3285	2.4486	.8459
23	.128	.6819	.6819	.6601	.9311	1.7162	.5929
24	.133	.5420	.5420	.5202	.7736	1.4259	.4926
25	.139	.4622	.4622	.4404	.6928	1.2770	.4412
26	.144	.3502	.3502	.3284	.5480	1.0100	.3489
27	.150	.2285	.2285	.2067	.3667	.6758	.2335
28	.156	.1294	.1294	.1076	.2036	.3753	.1297
29	.161	.1526	.1526	.1308	.2647	.4878	.1685
30	.167	.1826	.1826	.1608	.3491	.6434	.2223
31	.172	.1177	.1177	.0959	.2237	.4124	.1425
32	.178	.0687	.0687	.0469	.1181	.2177	.0752
33	.183	.0882	.0882	.0664	.1806	.3328	.1150
34	.189	.1143	.1143	.0925	.2728	.5028	.1737
35	.194	.1088	.1088	.0870	.2877	.5136	.1774
36	.200	.0732	.0732	.0514	.1745	.3308	.1143
37	.206	.0459	.0459	.0241	.0919	.1694	.0585
38	.211	.0507	.0507	.0289	.1207	.2225	.0768
39	.217	.0625	.0625	.0407	.1867	.3440	.1189
40	.222	.0590	.0590	.0313	.1577	.2906	.1004
41	.228	.0379	.0423	.0206	.1143	.2107	.0728
42	.233	.0376	.0407	.0189	.1165	.2146	.0742
43	.239	.0407	.0472	.0255	.1736	.3200	.1106
44	.244	.0519	.0481	.0273	.2073	.3821	.1320
45	.250	.0429	.0416	.0149	.1680	.3097	.1070
46	.256	.0289	.0305	.0037	.0425	.1920	.0545
47	.261	.0213	.0261	.0023	.0247	.0455	.0157
48	.267	.0268	.0268	.0031	.0293	.0032	.0032
49	.272	.0362	.0340	.0122	.0122	.0225	.0078
50	.278	.0386	.0351	.0133	.0133	.0245	.0085
51	.283	.0369	.0287	.0069	.0069	.0127	.0044
52	.289	.0283	.0265	.0028	.0028	.0051	.0018
53	.294	.0267	.0258	.0032	.0032	.0060	.0021
54	.300	.0243	.0231	.0014	.0014	.0025	.0009
55	.306	.0173	.0179	.0000	.0000	.0000	.0000
56	.311	.0127	.0138	.0000	.0000	.0000	.0000
57	.317	.0116	.0137	.0000	.0000	.0000	.0000
58	.322	.0108	.0108	.0000	.0000	.0000	.0000
59	.328	.0267	.0258	.0032	.0032	.0059	.0020
60	.333	.0277	.0272	.0054	.0054	.0100	.0035



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 6/ 6/59 AV. T= 7.9 RECORD = JHC163
HOUR = 21 SIG.HGT. = 20.0 UPPER HGT. = 22.0
TOTAL OF =167 CORR. VAR. = 24.9 LOWER HGT. = 18.2
NOISE LEVEL = .0293 WIND SPEED = 35

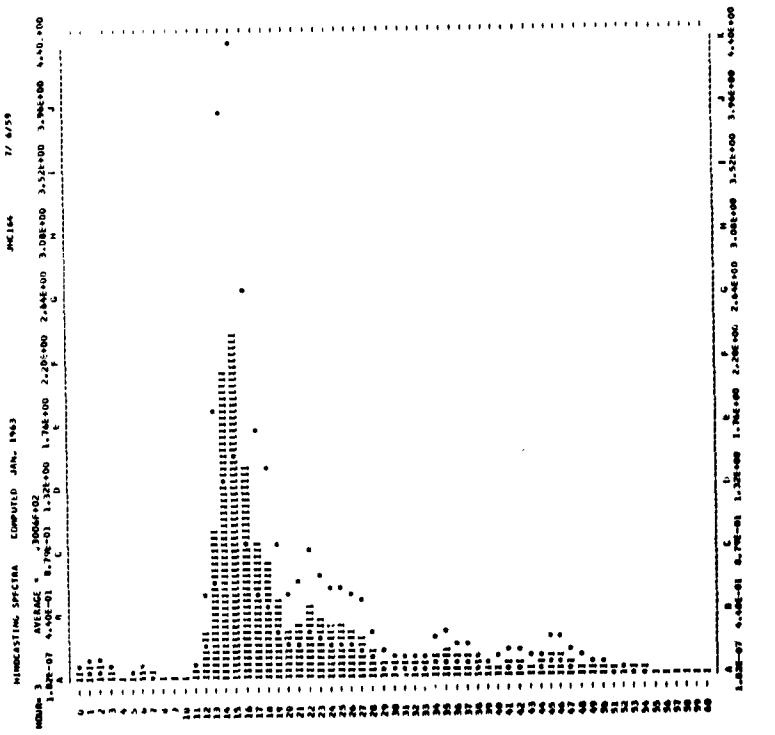
H	FRQ.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0968	.0968	.0735	.0735	.1396	.0468
1	.006	.1886	.1886	.1655	.1653	.3046	.1052
2	.011	.2868	.2868	.2335	.2335	.4303	.1487
3	.017	.1921	.1923	.1690	.1690	.3114	.1076
4	.022	.1221	.1221	.0988	.0988	.1820	.0629
5	.028	.0926	.0926	.0691	.0691	.1273	.0440
6	.033	.0776	.0776	.0563	.0459	.1576	.0544
7	.039	.0470	.0470	.0237	.0314	.0579	.0200
8	.044	.0218	.0218	.0000	.0000	.0000	.0000
9	.050	.0164	.0164	.0000	.0000	.0000	.0000
10	.056	.0133	.0133	.0000	.0000	.0000	.0000
11	.061	.0563	.0563	.0330	.0342	.0630	.0218
12	.067	.1323	.1323	.1090	.1118	.2060	.0712
13	.072	.5801	.5801	.5568	.5712	1.0529	.3637
14	.078	1.5385	1.5385	1.5152	1.5682	2.8904	.9985
15	.083	2.7817	2.7817	2.7584	2.8001	5.3654	1.8466
16	.089	3.5788	3.5788	3.5555	3.7805	6.9681	2.4072
17	.094	2.6843	2.6843	2.6610	2.9361	5.4117	1.8695
18	.100	1.2274	1.2274	1.2041	1.3707	2.5264	.8728
19	.106	.5917	.5917	.5684	.6709	1.2367	.4272
20	.111	.4594	.4594	.4361	.5355	.9870	.3410
21	.117	.4637	.4637	.4404	.8207	1.5128	.5226
22	.122	.8083	.8083	.7850	1.0537	1.9422	.6709
23	.128	.4923	.4923	.4690	.9436	1.7391	.6008
24	.133	.5735	.5735	.5502	.8181	1.5080	.5209
25	.139	.4397	.4397	.4164	.6550	1.2072	.4170
26	.144	.3273	.3273	.3040	.5071	.9347	.3229
27	.150	.3263	.3263	.3030	.4771	.8904	.3421
28	.156	.2700	.2700	.2467	.4666	.8601	.2971
29	.161	.1609	.1609	.1376	.2783	.5129	.1772
30	.167	.1043	.1043	.0810	.1757	.3239	.1119
31	.172	.1097	.1097	.0824	.1921	.3540	.1223
32	.178	.1276	.1276	.1043	.2624	.4837	.1671
33	.183	.1173	.1173	.0940	.2554	.4707	.1626
34	.189	.0854	.0854	.0621	.1829	.3372	.1165
35	.196	.0746	.0746	.0513	.1641	.3025	.1045
36	.200	.0661	.0661	.0428	.1492	.2750	.0950
37	.206	.0589	.0589	.0356	.1354	.2496	.0862
38	.211	.0692	.0692	.0459	.1913	.3526	.1218
39	.217	.0619	.0619	.0386	.1767	.3257	.1125
40	.222	.0460	.0473	.0240	.1210	.2231	.0771
41	.228	.0395	.0416	.0183	.1017	.1874	.0647
42	.233	.0435	.0459	.0226	.1388	.2557	.0884
43	.239	.0571	.0536	.0303	.2064	.3804	.1314
44	.244	.0567	.0520	.0287	.2173	.4010	.1385
45	.250	.0376	.0396	.0163	.1374	.2533	.0875
46	.256	.0265	.0308	.0074	.0702	.1294	.0447
47	.261	.0325	.0318	.0085	.0897	.1654	.0571
48	.267	.0358	.0331	.0097	.1156	.2131	.0736
49	.272	.0282	.0300	.0067	.0890	.1640	.0567
50	.278	.0278	.0280	.0047	.0706	.1302	.0450
51	.283	.0283	.0262	.0029	.0492	.0906	.0313
52	.289	.0205	.0226	.0000	.0000	.0000	.0000
53	.294	.0213	.0235	.0001	.0029	.0054	.0019
54	.300	.0308	.0273	.0040	.0999	.1861	.0636
55	.306	.0264	.0248	.0015	.0432	.0796	.0275
56	.311	.0158	.0179	.0000	.0000	.0000	.0000
57	.317	.0137	.0154	.0000	.0000	.0000	.0000
58	.322	.0185	.0195	.0000	.0000	.0000	.0000
59	.328	.0274	.0265	.0030	.0030	.0055	.0019
60	.333	.0320	.0297	.0064	.0064	.0117	.0040



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 7/ 6/59 AV. T= 8.1 RECORD = JHC164
HOUR = 3 SIG.HGT. = 15.5 UPPER HGT. = 17.1
TOTAL OF =136 CORR. VAR. = 15.0 LOWER HGT. = 14.0
NOISE LEVEL = .0090 WIND SPEED = 25

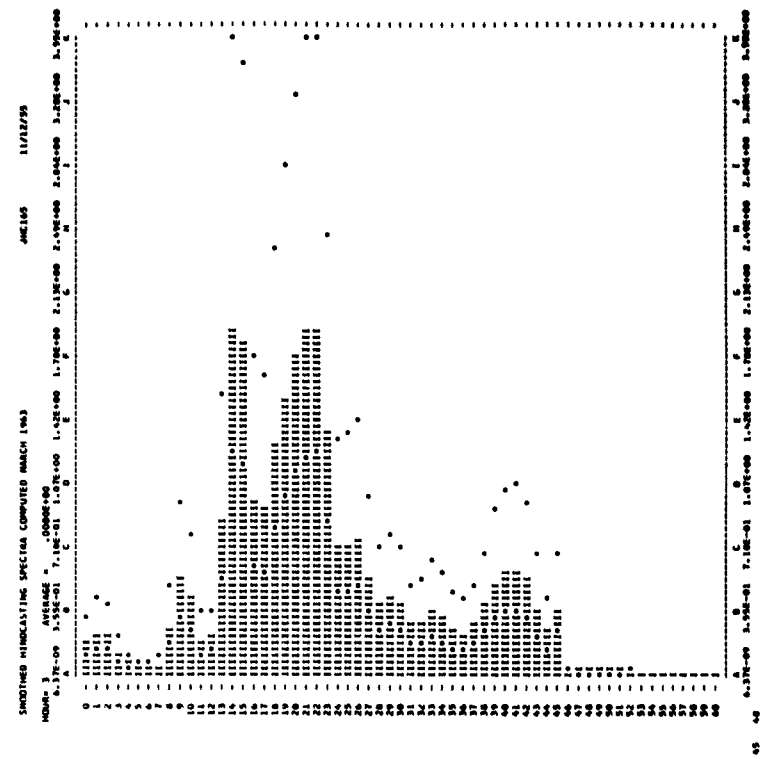
H	FRQ.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0616	.0616	.0525	.0545	.0968	.0335
1	.006	.0892	.0892	.0762	.0762	.1404	.0485
2	.011	.0875	.0875	.0785	.0785	.1447	.0500
3	.017	.0449	.0449	.0359	.0359	.0662	.0229
4	.022	.0206	.0206	.0116	.0116	.0213	.0074
5	.028	.0292	.0292	.0202	.0202	.0372	.0129
6	.033	.0420	.0420	.0330	.0520	.0959	.0331
7	.039	.0304	.0304	.0214	.0284	.0524	.0181
8	.044	.0124	.0124	.0033	.0040	.0073	.0025
9	.050	.0095	.0095	.0005	.0006	.0010	.0004
10	.056	.0144	.0144	.0054	.0057	.0105	.0036
11	.061	.0657	.0657	.0567	.0588	.1084	.0375
12	.067	.3136	.3136	.3046	.3126	.5758	.1989
13	.072	.9914	.9914	.9824	1.0079	1.8578	.6418
14	.078	2.0468	2.0468	2.0558	2.1277	3.9217	1.3548
15	.083	2.2779	2.2779	2.2688	2.3854	4.3967	1.5189
16	.089	1.3701	1.3701	1.3610	1.4472	2.6674	.9215
17	.094	.8469	.8469	.8379	.9245	1.7041	.5887
18	.100	.7016	.7016	.6926	.7884	1.4531	.5020
19	.106	.4417	.4417	.4327	.5108	.9414	.3252
20	.111	.2695	.2695	.2605	.3198	.5895	.2037
21	.117	.2902	.2902	.2812	.3804	.6863	.2395
22	.122	.3596	.3596	.3506	.4653	.8575	.2962
23	.128	.2796	.2796	.2706	.3817	.7035	.2430
24	.133	.2392	.2392	.2262	.3363	.6199	.2142
25	.139	.2270	.2270	.2179	.3429	.6319	.2183
26	.144	.1989	.1989	.1898	.3167	.5838	.2017
27	.150	.1671	.1671	.1581	.2804	.5168	.1786
28	.156	.1004	.1006	.0914	.1729	.3187	.1101
29	.161	.0506	.0506	.0416	.0841	.1550	.0536
30	.167	.0415	.0415	.0325	.0705	.1300	.0449
31	.172	.0439	.0439	.0349	.0816	.1501	.0518
32	.178	.0399	.0399	.0308	.0776	.1431	.0494
33	.183	.0393	.0393	.0303	.0824	.1519	.0525
34	.189	.0565	.0565	.0476	.1398	.2577	.0890
35	.194	.0544	.0544	.0504	.1613	.2973	.1027
36	.200	.0458	.0458	.0368	.1283	.2365	.0817
37	.206	.0381	.0381	.0290	.1108	.2039	.0706
38	.211	.0268	.0268	.0178	.0741	.1366	.0472
39	.217	.0180	.0180	.0090	.0413	.0761	.0263
40	.222	.0207	.0219	.0129	.0648	.1195	.0413
41	.228	.0281	.0295	.0165	.0919	.1693	.0585
42	.233	.0292	.0296	.0165	.0896	.1648	.0569
43	.239	.0157	.0186	.0096	.0855	.1257	.0417
44	.244	.0179	.0197	.0106	.0807	.1487	.0514
45	.250	.0271	.0247	.0157	.1330	.2451	.0847
46	.256	.0269	.0246	.0156	.1471	.2712	.0937
47	.261	.0179	.0187	.0097	.1026	.1891	.0653
48	.267	.0129	.0141	.0051	.0807	.1119	.0387
49	.272	.0132	.0129	.0038	.0512	.0944	.0326
50	.278	.0121	.0121	.0031	.0318	.0586	.0203
51	.283	.0110	.0104	.0014	.0188	.0346	.0120
52	.289	.0093	.0100	.0010	.0276	.0508	.0176
53	.294	.0102	.0103	.0013	.0312	.0576	.0199
54	.300	.0113	.0103	.0012	.0000	.0000	.0000
55	.306	.0083	.0087	.0000	.0000	.0000	.0000
56	.311	.0068	.0074	.0000	.0000	.0000	.0000
57	.317	.0077	.0078	.0000	.0000	.0000	.0000
58	.322	.0068	.0085	.0000	.0000	.0000	.0000
59	.328	.0085	.0084	.0000	.0000	.0000	.0000
60	.333	.0076	.0081	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 11/12/55 AV. T= 7.0 RECORD = JHG165
HOUR = 3 SIG.HGT. = 21.3 UPPER HGT. = 32.9
TOTAL DF =256 CORR. VAR. = 28.3 LOWER HGT. = 10.8
NOISE LEVEL = .0105 WIND SPEED = 50

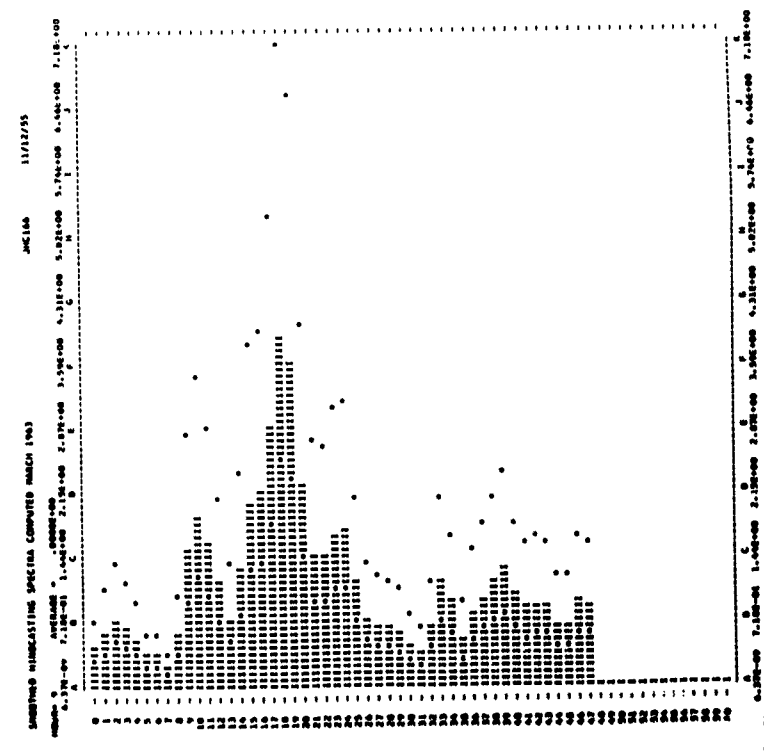
N	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1998	.1998	.1813	.1813	.3341	.1154
1	.006	.2643	.2643	.2357	.2357	.4168	.1497
2	.011	.2224	.2224	.2059	.2059	.3788	.1298
3	.017	.1269	.1269	.1064	.1064	.1961	.0677
4	.022	.0082	.0082	.0617	.0617	.1137	.0393
5	.028	.0571	.0571	.0386	.0386	.0711	.0246
6	.033	.0457	.0457	.0272	.0439	.0809	.0280
7	.039	.0571	.0571	.0306	.0530	.0977	.0337
8	.044	.2316	.2316	.2131	.2693	.4098	.1620
9	.050	.4692	.4692	.4597	.5294	.9757	.3371
10	.056	.3819	.3819	.3636	.4162	.7638	.2637
11	.061	.1828	.1828	.1643	.1895	.3410	.1101
12	.067	.1933	.1933	.1748	.1982	.3656	.1262
13	.072	.7471	.7471	.7286	.8613	1.5906	.5357
14	.078	1.6412	1.6412	1.6227	1.9261	3.5501	1.2264
15	.083	1.5212	1.5212	1.5027	1.8489	3.4078	1.1773
16	.089	.7681	.7681	.7496	.9628	1.7744	.6131
17	.094	.6999	.6999	.6776	.9147	1.6860	.5826
18	.100	.9214	.9214	.9029	1.2000	2.1759	.8208
19	.106	1.0309	1.0309	1.0124	1.5381	2.8349	.9794
20	.111	1.1007	1.1007	1.0822	1.7576	3.2394	1.1191
21	.117	1.1174	1.1174	1.0989	1.9169	3.5331	1.2206
22	.122	1.0406	1.0406	1.0221	1.9244	3.5469	1.2253
23	.128	.6725	.6725	.6540	1.3351	2.4608	.8501
24	.133	.3367	.3367	.3182	.7053	1.2962	.4478
25	.139	.3192	.3192	.2967	.7224	1.3316	.4600
26	.144	.3037	.3037	.2852	.7633	1.4068	.4860
27	.150	.2010	.2010	.1825	.5387	.9929	.3430
28	.156	.1343	.1343	.1158	.3789	.6983	.2412
29	.161	.1337	.1337	.1152	.4194	.7730	.2670
30	.167	.1160	.1160	.0955	.3887	.7165	.2475
31	.172	.0771	.0771	.0586	.2674	.4929	.1703
32	.178	.0767	.0767	.0562	.2892	.5331	.1842
33	.183	.0784	.0784	.0599	.3484	.6422	.2218
34	.189	.0645	.0645	.0460	.3041	.5604	.1936
35	.194	.0907	.0907	.0322	.2625	.4470	.1544
36	.200	.0449	.0449	.0264	.2277	.4197	.1450
37	.206	.0462	.0462	.0277	.2743	.5056	.1748
38	.211	.0512	.0512	.0327	.3740	.6893	.2381
39	.217	.0384	.0384	.0379	.5026	.9263	.3200
40	.222	.0561	.0548	.0363	.5603	1.0327	.3568
41	.228	.0508	.0508	.0323	.5813	1.0713	.3701
42	.233	.0495	.0636	.0249	.5261	.9697	.3350
43	.239	.0320	.0390	.0195	.5001	.9638	.3293
44	.244	.0226	.0267	.0081	.2392	.4409	.1523
45	.250	.0295	.0292	.0107	.3724	.6865	.2372
46	.256	.0393	.0393	.0188	.0188	.0310	.0107
47	.261	.0412	.0416	.0228	.0228	.0421	.0145
48	.267	.0478	.0451	.0265	.0265	.0489	.0169
49	.272	.0435	.0448	.0262	.0262	.0484	.0167
50	.278	.0443	.0445	.0260	.0260	.0478	.0165
51	.283	.0408	.0416	.0231	.0231	.0426	.0147
52	.289	.0306	.0301	.0116	.0116	.0214	.0074
53	.294	.0136	.0171	.0000	.0000	.0000	.0000
54	.300	.0107	.0114	.0000	.0000	.0000	.0000
55	.306	.0107	.0103	.0000	.0000	.0000	.0000
56	.311	.0091	.0101	.0000	.0000	.0000	.0000
57	.317	.0115	.0125	.0000	.0000	.0000	.0000
58	.322	.0178	.0165	.0000	.0000	.0000	.0000
59	.328	.0190	.0180	.0000	.0000	.0000	.0000
60	.333	.0161	.0175	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 11/12 55 AV. T= 7.1 RECORD = JHG166
HOUR = 9 SIG.HGT. = 29.4 UPPER HGT. = 31.4
TOTAL DF =324 CORR. VAR. = 54.1 LOWER HGT. = 27.6
NOISE LEVEL = .0373 WIND SPEED = 45

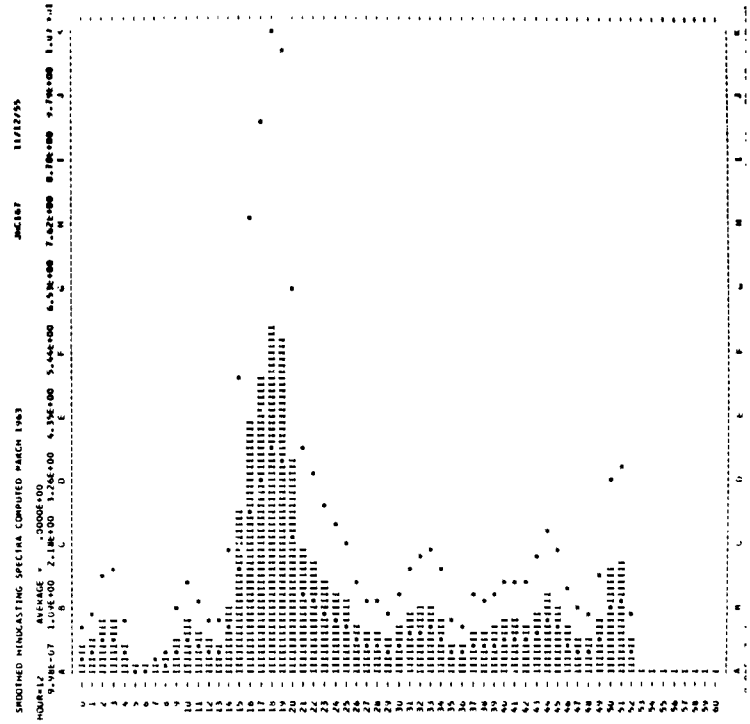
N	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.4371	.4371	.3998	.3998	.7369	.2546
1	.006	.6268	.6268	.5895	1.0866	.3754
2	.011	.7810	.7810	.7437	1.3708	.4736
3	.017	.6706	.6706	.6393	1.1784	.4071
4	.022	.5487	.5487	.5114	.9426	.3256
5	.028	.3663	.3663	.3290	.6064	.2095
6	.033	.2600	.2600	.2027	.3736	.1291
7	.039	.1895	.1895	.1682	.2037	.3754	.1297
8	.044	.4806	.4806	.4433	.5520	1.0175	.3515
9	.050	1.3233	1.3233	1.2860	1.5106	2.7842	.9618
10	.056	1.6898	1.6898	1.6517	1.8828	3.4703	1.1989
11	.061	1.4316	1.4316	1.3943	1.5743	2.9017	1.0024
12	.067	1.0359	1.0359	.9986	1.1327	2.0878	.7213
13	.072	.6792	.6792	.6419	.7612	1.3682	.4720
14	.078	1.1268	1.1268	1.0895	1.2933	2.3837	.8235
15	.083	1.6998	1.6998	1.6625	2.0456	3.7703	1.3025
16	.089	1.7131	1.7131	1.6758	2.1926	3.9675	1.3706
17	.094	2.1559	2.1559	2.1186	2.8610	5.2732	1.8217
18	.100	2.7651	2.7651	2.7278	3.6965	7.1782	2.4798
19	.106	2.3866	2.3866	2.3513	3.5724	6.5864	2.2747
20	.111	1.9909	1.9909	1.9536	2.1984	4.0520	1.3998
21	.117	.8794	.8794	.8421	1.4690	2.7076	.9356
22	.122	.8053	.8093	.7680	1.4480	2.6692	.9207
23	.128	.8589	.8589	.8216	1.5773	3.0916	1.0680
24	.133	.8801	.8801	.7708	1.7145	3.1601	1.0917
25	.139	.4962	.4962	.4589	1.1174	2.0596	.7115
26	.144	.3187	.3187	.2814	.7532	1.3881	.4796
27	.150	.2677	.2677	.2304	.6003	1.2538	.4332
28	.156	.2289	.2289	.1916	.6271	1.1558	.3993
29	.161	.1979	.1979	.1606	.5849	1.0780	.3724
30	.167	.1463	.1463	.1090	.4419	.8101	.2826
31	.172	.1188	.1188	.0817	.3685	.6782	.2347
32	.178	.1682	.1682	.1229	.4329	1.1666	.4030
33	.183	.2324	.2324	.1951	1.1354	2.0927	.7230
34	.189	.1765	.1765	.1372	.4875	1.0727	.3779
35	.194	.1028	.1028	.0659	.4928	.9103	.3145
36	.200	.1320	.1320	.0947	.6178	1.5073	.5207
37	.206	.1343	.1343	.0970	.9621	1.7734	.6126
38	.211	.1370	.1370	.0997	1.1414	2.1037	.7268
39	.217	.1327	.1327	.0954	1.2861	2.3737	.8062
40	.222	.1001	.1001	.0628	.8696	1.7867	.6172
41	.228	.0839	.0839	.0467	.6495	1.5402	.5322
42	.233	.0789	.0789	.0417	.6796	1.6212	.5601
43	.239	.0715	.0715	.0343	.6835	1.5909	.5498
44	.244	.0579	.0602	.0229	.6735	1.6413	.4288
45	.250	.0519	.0561	.0188	.6560	1.2098	.4177
46	.256	.0432	.0592	.0219	.9096	1.6765	.5792
47	.261	.0586	.0546	.0173	.8581	1.5817	.5464
48	.267	.0388	.0495	.0122	.8011	.1514	.0039
49	.272	.0393	.0418	.0045	.0845	.0883	.0029
50	.278	.0388	.0458	.0078	.0078	.0163	.0049
51	.283	.0399	.0419	.0039	.0039	.0072	.0024
52	.289	.0379	.0398	.0029	.0029	.0047	.0018
53	.294	.0444	.0408	.0031	.0031	.0057	.0020
54	.300	.0345	.0385	.0000	.0000	.0000	.0000
55	.306	.0317	.0368	.0000	.0000	.0000	.0000
56	.311	.0311	.0365	.0011	.0021	.0001	.0007
57	.317	.0397	.0375	.0022	.0042	.0001	.0001
58	.322	.0295	.0328	.0000	.0000	.0000	.0000
59	.328	.0328	.0339	.0000	.0000	.0000	.0000
60	.333	.0408	.0367	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 11/12/55 AV. T= 6.4 RECORD = JHC167
HOUR = 12 SIG.HGT. = 32.6 UPPER HGT. = 35.0
TOTAL OF =253 CURR. VAR. = 66.2 LOWER HGT. = 30.3
NOISE LEVEL = .0339 WIND SPEED = 45

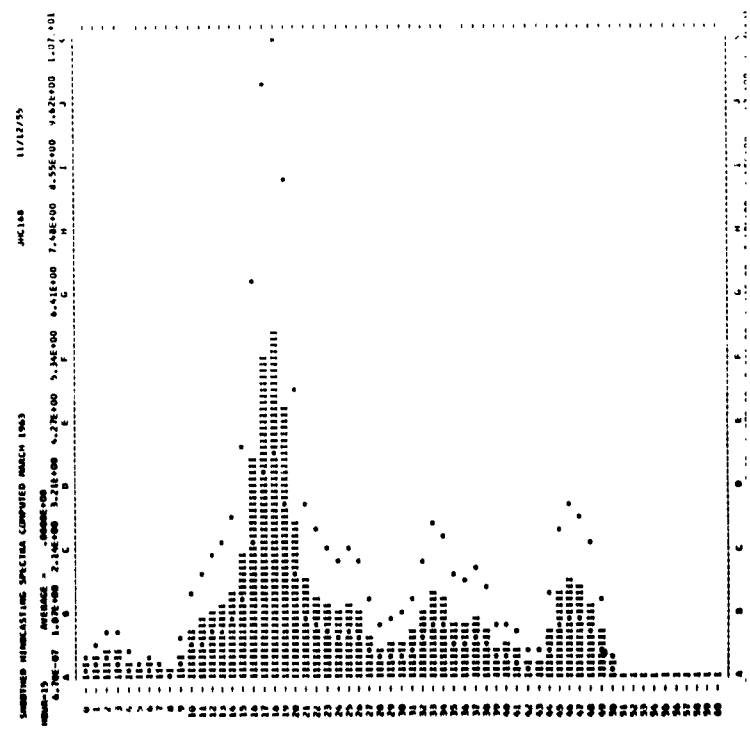
M	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.4951	.4551	.4212	.4212	.7706	.2682
1	.006	.5612	.5612	.5273	.5273	.9720	.3356
2	.011	.9131	.9131	.8792	.8792	1.6206	.5598
3	.017	.9538	.9538	.9199	.9199	1.6956	.5858
4	.022	.4773	.4773	.4434	.4434	.8173	.2824
5	.028	.1183	.1183	.0844	.0844	.1556	.0538
6	.033	.0701	.0701	.0362	.0568	.1079	.0373
7	.039	.1038	.1038	.0696	.0957	.1764	.0609
8	.044	.1716	.1716	.1377	.1715	.3161	.1092
9	.050	.5302	.5302	.5053	.5936	1.0940	.3780
10	.056	.7547	.7547	.7208	.8217	1.5145	.5232
11	.061	.6010	.6010	.5671	.6604	1.1803	.4077
12	.067	.4767	.4767	.4468	.5008	.9217	.3186
13	.072	.4218	.4218	.3879	.4680	.8257	.2852
14	.078	.9860	.9860	.9521	1.1302	2.0831	.7196
15	.083	2.2958	2.2958	2.2219	2.7339	5.0384	1.7408
16	.089	3.5006	3.5006	3.2667	4.1961	7.7351	2.6718
17	.094	3.7756	3.7756	3.7417	5.0528	9.3131	3.2174
18	.100	4.1689	4.1689	4.1350	5.9036	10.8812	3.7591
19	.106	3.7868	3.7868	3.7529	5.7018	10.5093	3.6306
20	.111	2.2309	2.2309	2.1970	3.5682	6.5768	2.2720
21	.117	1.2203	1.2203	1.1864	2.0696	3.8146	1.3178
22	.122	1.0147	1.0147	.9808	1.8467	3.4038	1.1759
23	.128	.7785	.7785	.7446	1.5202	2.8019	.9680
24	.133	.6377	.6377	.6038	1.3631	2.5126	.8682
25	.139	.5296	.5296	.4957	1.2071	2.2248	.7686
26	.144	.3339	.3339	.2996	.8020	1.4782	.5107
27	.150	.2530	.2530	.2191	.6670	1.1925	.4120
28	.156	.2310	.2310	.1971	.6491	1.1891	.4108
29	.161	.1816	.1816	.1477	.5380	.9916	.3426
30	.167	.2142	.2142	.1803	.7342	1.3533	.4675
31	.172	.2664	.2466	.2125	.9701	1.7885	.6179
32	.178	.2430	.2430	.2091	1.0769	1.9848	.6857
33	.183	.2294	.2294	.1955	1.1178	2.0972	.7245
34	.189	.1724	.1724	.1385	.9163	1.6888	.5834
35	.194	.0976	.0976	.0637	.4855	.8857	.3060
36	.200	.0850	.0850	.0511	.4616	.8138	.2812
37	.206	.1050	.1050	.0711	.7055	1.3004	.4492
38	.211	.0931	.0931	.0592	.6781	1.2498	.4318
39	.217	.0886	.0886	.0547	.7264	1.3388	.4625
40	.222	.0890	.0870	.0531	.8193	1.5101	.5217
41	.228	.0801	.0794	.0455	.8202	1.5117	.5223
42	.233	.0678	.0723	.0385	.8120	1.4966	.5170
43	.239	.0736	.0755	.0416	1.0336	1.9051	.6582
44	.244	.0869	.0786	.0445	1.3067	2.4084	.8320
45	.250	.0861	.0868	.0528	1.1414	2.1038	.7268
46	.256	.0695	.0920	.0182	.7941	1.3898	.4801
47	.261	.0671	.0652	.0113	.5620	1.0358	.3578
48	.267	.0391	.0424	.0085	.5064	.9334	.3224
49	.272	.0462	.0469	.0126	.9046	1.6673	.5760
50	.278	.0585	.0541	.0202	1.7507	3.2269	1.1148
51	.283	.0551	.0515	.0177	1.8604	3.4289	1.1846
52	.289	.0375	.0382	.0043	.5564	1.0254	.3543
53	.294	.0227	.0294	.0000	.0000	.0000	.0000
54	.300	.0197	.0204	.0000	.0000	.0000	.0000
55	.306	.0216	.0222	.0000	.0000	.0000	.0000
56	.311	.0269	.0259	.0000	.0000	.0000	.0000
57	.317	.0283	.0294	.0000	.0000	.0000	.0000
58	.322	.0341	.0354	.0015	.0015	.0028	.0010
59	.328	.0451	.0432	.0094	.0094	.0173	.0060
60	.333	.0486	.0468	.0130	.0130	.0239	.0083



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 11/12/55 AV. T= 6.7 RECORD = JHC168
HOUR = 15 SIG.HGT. = 30.5 UPPER HGT. = 32.9
TOTAL OF =238 CURR. VAR. = 58.3 LOWER HGT. = 28.4
NOISE LEVEL = .0345 WIND SPEED = 55

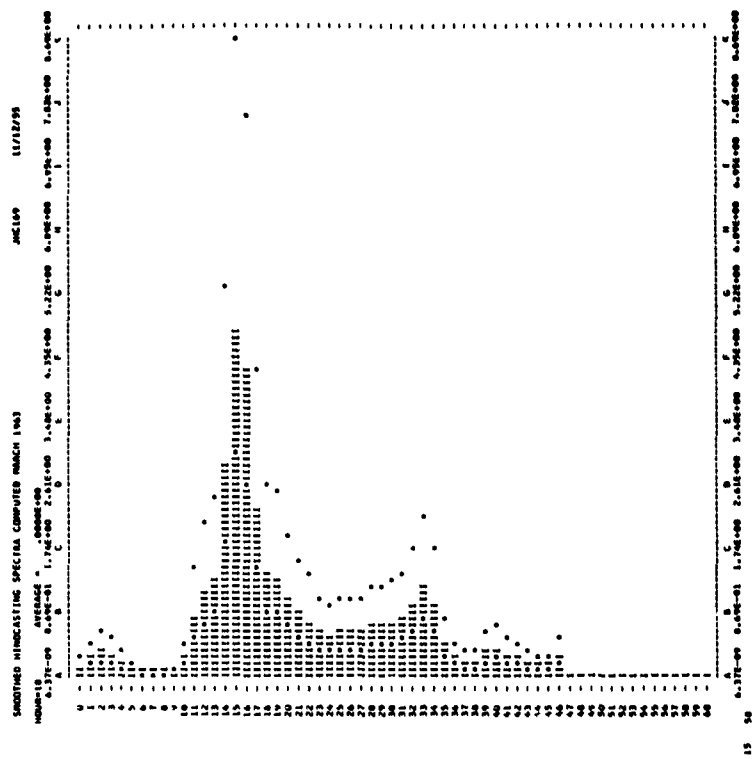
M	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1987	.1987	.1642	.1642	.3026	.1045
1	.006	.3065	.3065	.2720	.2720	.5013	.1732
2	.011	.4602	.4602	.4257	.4257	.7846	.2711
3	.017	.4481	.4481	.4136	.4136	.7623	.2634
4	.022	.2783	.2783	.2438	.2438	.4494	.1552
5	.028	.1625	.1625	.1280	.1280	.2359	.0815
6	.033	.1436	.1436	.1091	.1763	.3249	.1122
7	.039	.1142	.1142	.0747	.1095	.2018	.0697
8	.044	.0823	.0823	.0478	.0595	.1097	.0379
9	.050	.3350	.3350	.3005	.3530	.6506	.2247
10	.056	.7021	.7021	.6676	.7610	1.4026	.4846
11	.061	.8421	.8421	.8076	.9119	1.6807	.5806
12	.067	.9971	.9971	.9626	1.0919	2.0125	.6952
13	.072	1.0949	1.0949	1.0604	1.2294	2.2648	.7796
14	.078	1.2388	1.2388	1.2043	1.4295	2.6348	.9102
15	.083	1.7157	1.7157	1.6812	2.0685	3.8126	1.3171
16	.089	2.8615	2.8615	2.8070	3.6056	6.6456	2.2958
17	.094	4.0204	4.0204	3.9859	5.3824	9.9208	3.4273
18	.100	4.0948	4.0948	4.0603	5.7969	10.6845	3.6911
19	.106	3.0115	3.0115	2.9770	4.5229	8.3365	2.8799
20	.111	1.6385	1.6385	1.6040	2.6050	4.8015	1.6587
21	.117	.9255	.9255	.8910	1.5543	2.8647	.9897
22	.122	.7413	.7413	.7068	1.3308	2.4528	.8473
23	.128	.6021	.6021	.5676	1.1587	2.1357	.7378
24	.133	.5085	.5085	.4740	1.0543	1.9432	.6713
25	.139	.5021	.5021	.4676	1.1385	2.0985	.7250
26	.144	.4225	.4225	.3880	1.0365	1.9141	.6612
27	.150	.2622	.2622	.2277	.8722	1.2390	.4280
28	.156	.1749	.1749	.1404	.4594	.8468	.2925
29	.161	.1716	.1716	.1369	.4983	.9188	.3174
30	.167	.1795	.1795	.1450	.5863	1.0806	.3733
31	.172	.1896	.1896	.1549	.7072	1.3034	.4503
32	.178	.2350	.2350	.2005	1.0323	1.9028	.6573
33	.183	.2761	.2761	.2416	1.4058	2.5912	.8952
34	.189	.2287	.2287	.1942	1.2943	2.3672	.8178
35	.194	.1544	.1544	.1199	.9038	1.6658	.5755
36	.200	.1371	.1371	.1026	.8058	1.4326	.5660
37	.206	.1328	.1328	.0983	.9768	1.7967	.6207
38	.211	.1033	.1033	.0688	.7874	1.4513	.5014
39	.217	.0702	.0702	.0357	.4736	.8730	.3016
40	.222	.0679	.0660	.0315	.4854	.8947	.3091
41	.228	.0567	.0562	.0217	.3903	.7195	.2485
42	.233	.0398	.0444	.0099	.2099	.3869	.1337
43	.239	.0399	.0447	.0102	.2932	.4867	.1612
44	.244	.0600	.0599	.0254	.7461	1.3752	.4751
45	.250	.0802	.0736	.0389	1.3996	2.4986	.8632
46	.256	.0776	.0776	.0431	1.5790	2.9103	1.0054
47	.261	.0634	.0642	.0297	1.4700	2.7098	.9360
48	.267	.0565	.0549	.0204	1.2156	2.2404	.7740
49	.272	.0634	.0446	.0101	.7241	1.3346	.4611
50	.278	.0382	.0368	.0021	.1815	.3344	.1155
51	.283	.0328	.0328	.0000	.0000	.0000	.0000
52	.289	.0309	.0298	.0000	.0000	.0000	.0000
53	.294	.0269	.0264	.0000	.0000	.0000	.0000
54	.300	.0249	.0271	.0000	.0000	.0000	.0000
55	.306	.0198	.0280	.0000	.0000	.0000	.0000
56	.311	.0359	.0397	.0018	.0018	.0022	.0008
57	.317	.0380	.0389	.0044	.0044	.0081	.0028
58	.322	.0441	.0418	.0071	.0071	.0135	.0047
59	.328	.0412	.0410	.0049	.0049	.0120	.0042
60	.333	.0376	.0394	.0089	.0089	.0090	.0031



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 11/12/55 AV. T= 7.0 RECORD = JHC169
HOUR = 10 SIG.HGT. = 24.0 UPPER HGT. = 26.1
TOTAL DF =184 CORR. VAR. = 36.0 LOWER HGT. = 22.1
NOISE LEVEL = .0164 WIND SPEED = 10

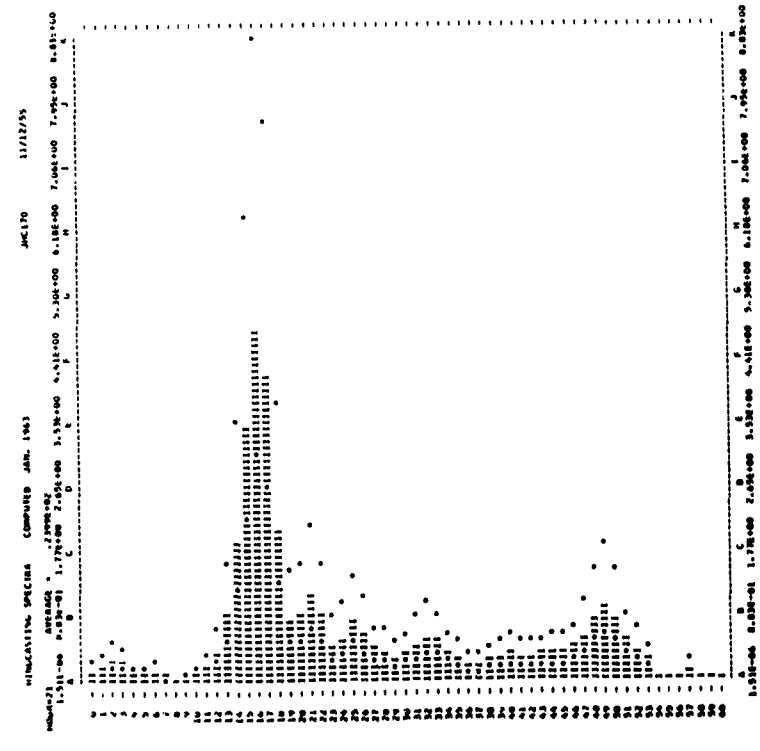
M	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1418	.1418	.1294	.1294	.2311	.0798
1	.006	.2668	.2668	.2584	.2584	.4266	.1467
2	.011	.3261	.3261	.3077	.3077	.5471	.1959
3	.017	.2832	.2832	.2668	.2668	.4917	.1699
4	.022	.2118	.2118	.1996	.1996	.3681	.1264
5	.028	.1816	.1816	.0858	.0858	.1566	.0541
6	.033	.0583	.0583	.0419	.0677	.1247	.0431
7	.039	.0657	.0657	.0493	.0677	.1248	.0431
8	.044	.0585	.0585	.0421	.0524	.0966	.0334
9	.050	.0498	.0498	.0336	.0392	.0723	.0250
10	.056	.2177	.2177	.2013	.2295	.4229	.1461
11	.061	.7115	.7115	.6951	.7048	1.4466	.4907
12	.067	1.0089	1.0089	.9841	1.1163	2.0576	.7108
13	.072	1.1502	1.1502	1.1338	1.3042	2.6130	.8336
14	.078	2.4288	2.4288	2.4104	2.8611	5.2739	1.8218
15	.083	3.8496	3.8496	3.8332	4.7164	8.6928	3.0031
16	.089	3.2958	3.2958	3.2794	4.1618	7.6693	2.6495
17	.094	1.6877	1.6877	1.6713	2.2569	4.1598	1.4371
18	.100	.8181	.8181	1.0017	1.4581	2.6359	.9106
19	.106	.9017	.9017	.8853	1.3450	2.4791	.8564
20	.111	.6661	.6661	.6677	1.0519	1.9388	.6698
21	.117	.4983	.4983	.4819	.8624	1.5528	.5364
22	.122	.4984	.4984	.3920	.7580	1.3603	.4699
23	.128	.2975	.2975	.2811	.5738	1.0577	.3654
24	.133	.2492	.2492	.2328	.5178	.9544	.3297
25	.139	.2530	.2530	.2366	.5761	1.0618	.3668
26	.144	.2360	.2360	.2196	.5077	1.0833	.3742
27	.150	.2113	.2113	.1949	.5754	1.0605	.3664
28	.156	.2210	.2210	.2046	.6695	1.2340	.4263
29	.161	.2007	.2007	.1843	.6711	1.2369	.4273
30	.167	.1868	.1868	.1696	.6905	1.2726	.4396
31	.172	.1843	.1843	.1679	.7665	1.4127	.4881
32	.178	.1967	.1967	.1803	.9283	1.7110	.5911
33	.183	.2189	.2189	.2025	1.1783	2.1718	.7503
34	.189	.1956	.1956	.1792	.9209	1.6967	.5861
35	.194	.0711	.0711	.0547	.4123	.7599	.2625
36	.200	.0435	.0435	.0271	.2339	.4311	.1489
37	.206	.0348	.0348	.0184	.1824	.3361	.1161
38	.211	.0328	.0328	.0164	.1876	.3458	.1195
39	.217	.0417	.0417	.0253	.3356	.6185	.2137
40	.222	.0426	.0394	.0230	.3554	.6550	.2263
41	.228	.0309	.0328	.0164	.2956	.5449	.1882
42	.233	.0265	.0273	.0109	.2293	.4227	.1460
43	.239	.0244	.0239	.0075	.1875	.3452	.1192
44	.244	.0201	.0213	.0049	.1450	.2673	.0923
45	.250	.0208	.0208	.0044	.1345	.2849	.0984
46	.256	.0217	.0231	.0067	.1796	.5149	.1779
47	.261	.0284	.0304	.0140	.0140	.0259	.0089
48	.267	.0433	.0394	.0230	.0230	.0424	.0146
49	.272	.0426	.0391	.0227	.0227	.0419	.0145
50	.278	.0281	.0294	.0130	.0130	.0240	.0083
51	.283	.0189	.0192	.0028	.0028	.0052	.0018
52	.289	.0110	.0132	.0000	.0000	.0000	.0000
53	.294	.0121	.0148	.0000	.0000	.0000	.0000
54	.300	.0241	.0209	.0045	.0045	.0083	.0029
55	.306	.0234	.0215	.0051	.0051	.0094	.0032
56	.311	.0151	.0174	.0010	.0010	.0018	.0006
57	.317	.0159	.0157	.0000	.0000	.0000	.0000
58	.322	.0159	.0152	.0000	.0000	.0000	.0000
59	.328	.0130	.0135	.0000	.0000	.0000	.0000
60	.333	.0122	.0126	.0000	.0000	.0000	.0000



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 11/12/55 AV. T= 6.6 RECORD = JHC170
HOUR = 21 SIG.HGT. = 24.2 UPPER HGT. = 26.3
TOTAL DF =185 CORR. VAR. = 36.5 LOWER HGT. = 22.2
NOISE LEVEL = .0104 WIND SPEED = 10

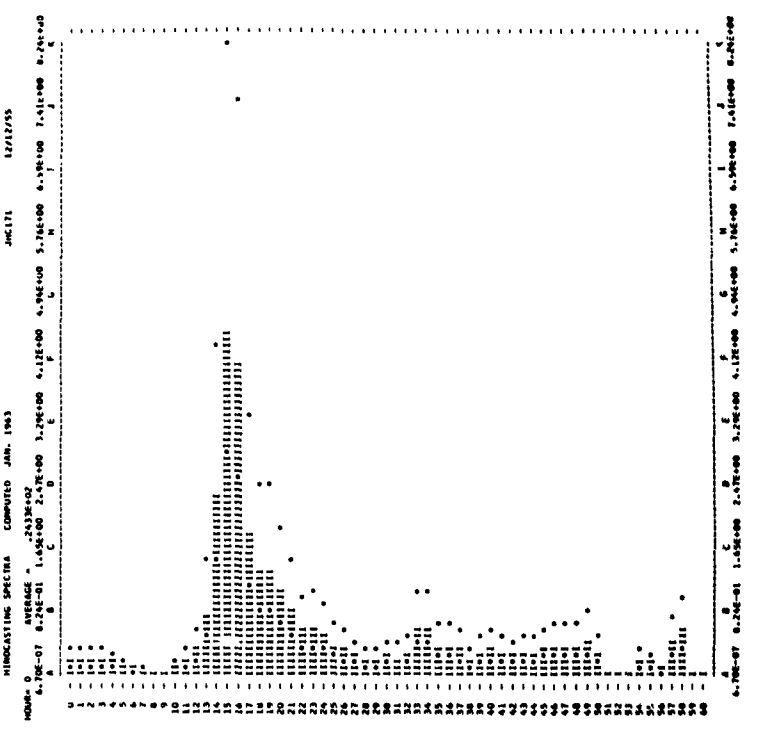
M	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1315	.1315	.1210	.1210	.2231	.0771
1	.006	.2198	.2198	.2094	.2094	.3860	.1333
2	.011	.3061	.3061	.2957	.2957	.5449	.1883
3	.017	.2460	.2460	.2356	.2356	.4342	.1500
4	.022	.1286	.1286	.1181	.1181	.2177	.0752
5	.028	.0874	.0874	.0770	.0770	.1419	.0490
6	.033	.0856	.0856	.0752	.1215	.2239	.0774
7	.039	.0653	.0653	.0549	.0480	.0884	.0305
8	.044	.0251	.0251	.0147	.0183	.0336	.0116
9	.050	.0333	.0333	.0228	.0268	.0494	.0171
10	.056	.0761	.0761	.0657	.0749	.1380	.0477
11	.061	.1990	.1990	.1886	.2130	.3925	.1356
12	.067	.3522	.3522	.3418	.3877	.7146	.2469
13	.072	.7568	.7568	.7464	.8619	1.5886	.5488
14	.078	1.6069	1.6069	1.5964	1.8950	3.4927	1.2066
15	.083	2.7951	2.7951	2.7846	3.4282	6.3150	2.1816
16	.089	3.7198	3.7198	3.7094	4.7904	8.8295	3.0501
17	.094	3.1007	3.1007	3.0903	4.1731	7.6917	2.6572
18	.100	1.4367	1.4367	1.4263	2.0163	3.7532	1.2966
19	.106	.5652	.5652	.5548	.8125	1.4978	.5173
20	.111	.5554	.5554	.5450	.8851	1.6313	.5634
21	.117	.4628	.4628	.4523	1.1726	2.1617	.7468
22	.122	.4774	.4774	.4670	.8792	1.6205	.5598
23	.128	.2394	.2394	.2290	.4674	.8615	.2976
24	.133	.2596	.2596	.2492	.5552	1.0235	.3529
25	.139	.3313	.3313	.3209	.7813	1.4400	.4975
26	.144	.2410	.2410	.2305	.6170	1.1372	.3929
27	.150	.1476	.1476	.1372	.4051	.7466	.2579
28	.156	.1226	.1226	.1122	.3671	.6766	.2338
29	.161	.0926	.0926	.0822	.2943	.5517	.1906
30	.167	.0979	.0979	.0876	.3460	.6561	.2267
31	.172	.1133	.1133	.1029	.4697	.8837	.3051
32	.178	.1182	.1182	.1078	.7569	1.4228	.4933
33	.183	.0946	.0946	.0841	.6898	.9025	.3118
34	.189	.0635	.0635	.0531	.3509	.6667	.2234
35	.194	.0458	.0458	.0354	.2670	.4921	.1700
36	.200	.0323	.0323	.0219	.1892	.3497	.1205
37	.206	.0309	.0309	.0204	.1826	.3375	.1290
38	.211	.0321	.0321	.0216	.2475	.4581	.1576
39	.217	.0319	.0319	.0215	.2855	.5263	.1818
40	.222	.0316	.0308	.0203	.3135	.5777	.1996
41	.228	.0278	.0277	.0171	.3076	.5669	.1958
42	.233	.0228	.0241	.0137	.2885	.5317	.1837
43	.239	.0231	.0230	.0125	.3111	.5734	.1981
44	.244	.0230	.0219	.0115	.3380	.6229	.2152
45	.250	.0180	.0202	.0098	.3701	.6820	.2399
46	.256	.0201	.0202	.0098	.4055	.7473	.2582
47	.261	.0218	.0219	.0115	.5670	1.0448	.3611
48	.267	.0239	.0240	.0136	.6889	1.4909	.5150
49	.272	.0236	.0242	.0138	.8054	1.8162	.6276
50	.278	.0197	.0199	.0094	.8177	1.5071	.5206
51	.283	.0135	.0151	.0047	.4907	.9044	.3124
52	.289	.0137	.0133	.0028	.3620	.6673	.2305
53	.294	.0121	.0120	.0016	.2511	.4629	.1599
54	.300	.0083	.0105	.0001	.0111	.0205	.0071
55	.306	.0094	.0094	.0000	.0000	.0000	.0000
56	.311	.0095	.0095	.0000	.0000	.0000	.0000
57	.317	.0117	.0108	.0003	.1209	.2229	.0770
58	.322	.0111	.0101	.0000	.0000	.0000	.0000
59	.328	.0066	.0075	.0000	.0000	.0000	.0000
60	.333	.0057	.0061	.0000	.0000	.0000	.0000



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 12/12/55 | AV. T= 6.7 | RECORD = JHC171
HOUR = 0 | SIG.HGT. = 22.1 | UPPER HGT. = 24.2
TOTAL DP =168 | CORR. VAR. = 30.6 | LOWER HGT. = 20.2
NOISE LEVEL = .0057 | WIND SPEED = 10

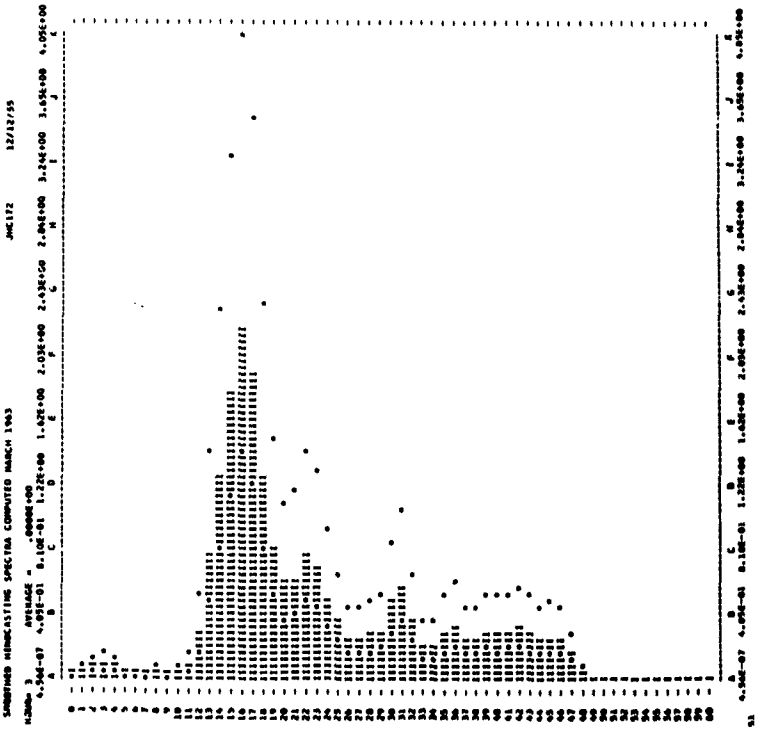
M	PRS. UNIT=FT.2 FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1799	.1799	.1742	.1742	.3211	.1189
1	.006	.1996	.1996	.1939	.1939	.3574	.1235
2	.011	.1989	.1989	.1931	.1931	.3560	.1230
3	.017	.1886	.1886	.1827	.1827	.3367	.1163
4	.022	.1978	.1978	.1920	.1920	.3702	.0968
5	.028	.0808	.0808	.0751	.0751	.1384	.0478
6	.033	.0440	.0440	.0382	.0617	.1138	.0393
7	.039	.0240	.0240	.0223	.0306	.0564	.0195
8	.044	.0153	.0153	.0096	.0119	.0220	.0076
9	.050	.0094	.0094	.0037	.0063	.0080	.0028
10	.056	.0772	.0772	.0674	.0769	.1417	.0490
11	.061	.1683	.1683	.1605	.1817	.3340	.1154
12	.067	.2414	.2414	.2261	.3132	.5773	.1996
13	.072	.4831	.4831	.4773	.7821	1.4416	.4980
14	.078	1.9467	1.9467	1.9410	2.3039	4.2465	1.4670
15	.083	3.6372	3.6372	3.6315	4.4682	8.2355	2.8691
16	.089	3.1592	3.1592	3.1494	4.0696	7.4963	2.5759
17	.094	1.3563	1.3563	1.3505	1.8237	3.3614	1.1613
18	.100	.9438	.9438	.9381	1.3393	2.4685	.8528
19	.106	.8995	.8995	.8937	1.3578	2.5027	.8646
20	.111	.6461	.6461	.6403	1.0000	1.9108	.6622
21	.117	.4626	.4626	.4569	.7970	1.4690	.5075
22	.122	.2997	.2997	.2939	.5534	1.0200	.3524
23	.128	.2803	.2803	.2744	.5605	1.0332	.3569
24	.133	.2229	.2229	.2171	.4828	.8901	.3075
25	.139	.1565	.1565	.1507	.3670	.6764	.2337
26	.144	.1230	.1230	.1173	.3139	.5785	.1999
27	.150	.0803	.0803	.0745	.2200	.4055	.1401
28	.156	.0570	.0570	.0513	.1678	.3092	.1068
29	.161	.0543	.0543	.0486	.1769	.3260	.1126
30	.167	.0606	.0606	.0548	.2231	.4112	.1421
31	.172	.0501	.0501	.0444	.2026	.3734	.1290
32	.178	.0405	.0405	.0348	.1820	.3198	.1196
33	.183	.1072	.1072	.1015	.3905	1.0885	.3760
34	.189	.0961	.0961	.0904	.5978	1.1018	.3806
35	.194	.0537	.0537	.0479	.3614	.6662	.2301
36	.200	.0454	.0454	.0396	.3423	.6309	.2179
37	.206	.0359	.0359	.0297	.2950	.5438	.1878
38	.211	.0218	.0218	.0160	.1836	.3383	.1169
39	.217	.0256	.0256	.0198	.2632	.4852	.1676
40	.222	.0281	.0254	.0197	.3034	.5592	.1932
41	.228	.0200	.0211	.0193	.2757	.5081	.1755
42	.233	.0162	.0174	.0116	.2454	.4522	.1562
43	.239	.0171	.0162	.0104	.2591	.4776	.1650
44	.244	.0144	.0153	.0095	.2708	.5157	.1782
45	.250	.0153	.0152	.0094	.3276	.6038	.2086
46	.256	.0156	.0145	.0088	.3647	.6722	.2322
47	.261	.0116	.0126	.0068	.3379	.6228	.2151
48	.267	.0114	.0120	.0062	.3490	.6802	.2350
49	.272	.0134	.0119	.0061	.4373	.8061	.2785
50	.278	.0093	.0090	.0033	.2829	.5214	.1801
51	.283	.0061	.0053	.0000	.0000	.0000	.0000
52	.289	.0036	.0041	.0000	.0000	.0000	.0000
53	.294	.0050	.0053	.0000	.0000	.0000	.0000
54	.300	.0075	.0066	.0009	.1681	.3098	.1070
55	.306	.0065	.0064	.0006	.1451	.2674	.0924
56	.311	.0049	.0059	.0002	.0830	.1971	.0337
57	.317	.0073	.0068	.0011	.3835	.7068	.2442
58	.322	.0076	.0069	.0012	.5429	1.0007	.3457
59	.328	.0052	.0055	.0000	.0000	.0000	.0000
60	.333	.0041	.0047	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 12/12/55 | AV. T= 7.2 | RECORD = JHC172
HOUR = 3 | SIG.HGT. = 18.2 | UPPER HGT. = 19.7
TOTAL DP =211 | CORR. VAR. = 20.8 | LOWER HGT. = 16.8
NOISE LEVEL = .0048 | WIND SPEED = 15

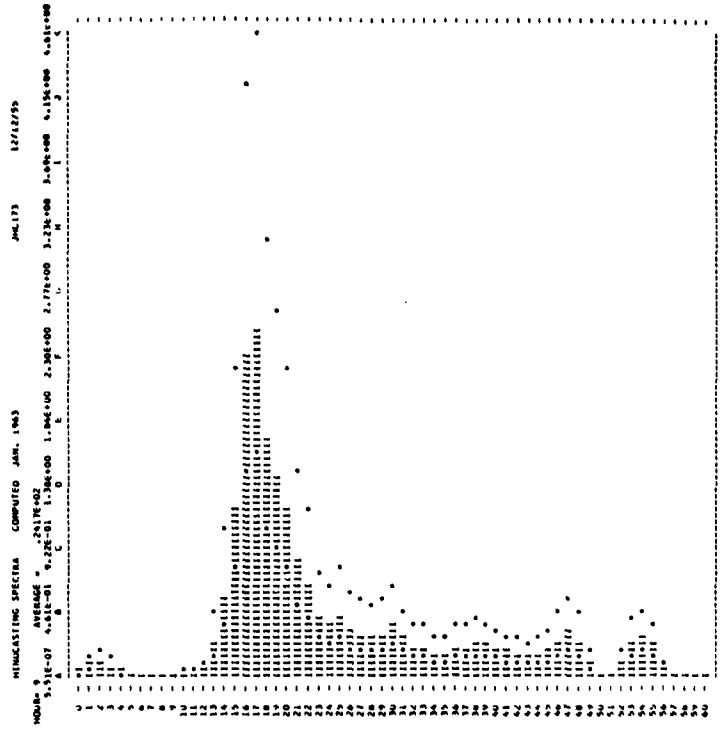
M	PRS. UNIT=FT.2 FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0326	.0326	.0278	.0278	.0512	.0177
1	.006	.0458	.0458	.0410	.0410	.0755	.0261
2	.011	.0749	.0749	.0701	.0701	.1291	.0446
3	.017	.0867	.0867	.0819	.0819	.1509	.0521
4	.022	.0659	.0659	.0611	.0611	.1125	.0389
5	.028	.0365	.0365	.0317	.0317	.0584	.0202
6	.033	.0212	.0212	.0154	.0264	.0487	.0168
7	.039	.0276	.0276	.0228	.0313	.0576	.0199
8	.044	.0382	.0382	.0334	.0415	.0766	.0265
9	.050	.0312	.0312	.0264	.0310	.0571	.0197
10	.056	.0448	.0448	.0400	.0458	.0840	.0290
11	.061	.0876	.0876	.0826	.0932	.1718	.0594
12	.067	.2540	.2540	.2492	.2826	.5209	.1800
13	.072	.6667	.6667	.6619	.7642	1.4086	.4866
14	.078	1.0669	1.0669	1.0621	1.2607	2.3236	.8027
15	.083	1.4492	1.4492	1.4444	1.7771	3.2755	1.1314
16	.089	1.7156	1.7156	1.7108	2.1975	4.0503	1.3992
17	.094	1.4236	1.4236	1.4188	1.9159	3.5313	1.2199
18	.100	.8903	.8903	.8855	1.2642	2.3301	.8049
19	.106	.5397	.5397	.5349	.8126	1.4978	.5174
20	.111	.3754	.3754	.3706	.6018	1.1093	.3832
21	.117	.3640	.3640	.3592	.6215	1.1458	.3959
22	.122	.4079	.4079	.4031	.7589	1.3987	.4832
23	.128	.3912	.3912	.3864	.7071	1.3033	.4502
24	.133	.2286	.2286	.2238	.4977	.9174	.3169
25	.139	.1510	.1510	.1462	.3559	.6559	.2266
26	.144	.0991	.0991	.0943	.2523	.4650	.1606
27	.150	.0866	.0866	.0798	.2355	.4340	.1499
28	.156	.0863	.0863	.0815	.2666	.4913	.1697
29	.161	.0854	.0854	.0806	.2934	.5407	.1868
30	.167	.1194	.1194	.1146	.4644	.8597	.2970
31	.172	.1290	.1290	.1232	.5623	1.0364	.3580
32	.178	.0751	.0751	.0703	.3618	.6668	.2304
33	.183	.0395	.0395	.0347	.2017	.3717	.1284
34	.189	.0394	.0394	.0306	.2021	.3725	.1287
35	.194	.0418	.0418	.0370	.2786	.5135	.1774
36	.200	.0434	.0434	.0386	.3329	.6136	.2120
37	.206	.0299	.0299	.0251	.2685	.4981	.1582
38	.211	.0267	.0267	.0219	.2502	.4612	.1593
39	.217	.0271	.0271	.0223	.2994	.5444	.1801
40	.222	.0219	.0229	.0181	.2793	.5149	.1779
41	.228	.0211	.0210	.0162	.2919	.5381	.1859
42	.233	.0202	.0193	.0145	.3052	.5626	.1944
43	.239	.0157	.0159	.0111	.2759	.5086	.1757
44	.244	.0122	.0131	.0083	.2432	.4482	.1548
45	.250	.0124	.0121	.0073	.2534	.4674	.1615
46	.256	.0115	.0108	.0060	.2491	.4591	.1586
47	.261	.0080	.0081	.0033	.1640	.3023	.1044
48	.267	.0051	.0057	.0008	.0496	.0915	.0316
49	.272	.0045	.0046	.0000	.0000	.0000	.0000
50	.278	.0043	.0043	.0000	.0000	.0000	.0000
51	.283	.0041	.0044	.0000	.0000	.0000	.0000
52	.289	.0050	.0048	.0000	.0000	.0000	.0000
53	.294	.0058	.0046	.0000	.0000	.0000	.0000
54	.300	.0036	.0037	.0000	.0000	.0000	.0000
55	.306	.0026	.0029	.0000	.0000	.0000	.0000
56	.311	.0029	.0033	.0000	.0000	.0000	.0000
57	.317	.0049	.0048	.0000	.0000	.0000	.0000
58	.322	.0069	.0064	.0013	.0013	.0025	.0009
59	.328	.0068	.0068	.0019	.0019	.0036	.0012
60	.333	.0078	.0069	.0021	.0021	.0038	.0013



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 12/12/55 AV. T= 6.8 RECORD = JMC173
HOUR = 9 SIG.HGT. = 18.0 UPPER HGT. = 19.6
TOTAL DF =101 CORR. VAR. = 29.3 LOWER HGT. = 16.5
NOISE LEVEL = .0042 WIND SPEED = 15

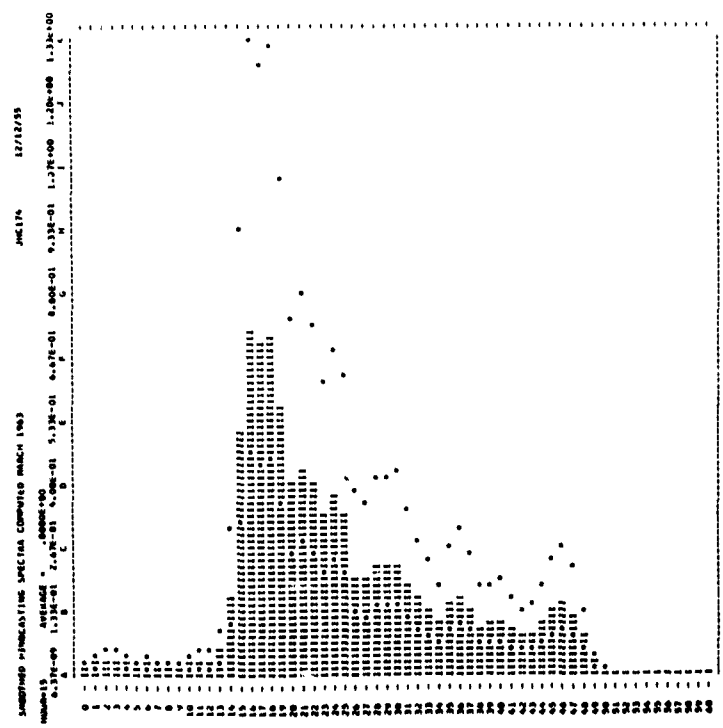
N	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.004	.0341	.0341	.0299	.0299	.0551	.0190
1	.006	.0826	.0826	.0783	.0783	.1443	.0499
2	.011	.1161	.1161	.1119	.1119	.2062	.0712
3	.017	.0727	.0727	.0685	.0685	.1262	.0436
4	.022	.0330	.0330	.0287	.0287	.0530	.0183
5	.028	.0198	.0198	.0115	.0115	.0212	.0073
6	.033	.0105	.0109	.0062	.0101	.0185	.0064
7	.039	.0116	.0116	.0074	.0102	.0187	.0065
8	.044	.0090	.0090	.0048	.0060	.0110	.0038
9	.050	.0102	.0102	.0060	.0070	.0129	.0045
10	.056	.0190	.0190	.0167	.0168	.0310	.0107
11	.061	.0213	.0213	.0171	.0193	.0356	.0123
12	.067	.0515	.0515	.0472	.0536	.0987	.0341
13	.072	.2192	.2192	.2150	.2682	.4575	.1581
14	.078	.4852	.4852	.4810	.5709	1.0523	.3635
15	.083	.9836	.9836	.9794	1.2050	2.2211	.7673
16	.089	1.7897	1.7897	1.7855	2.2535	4.2272	1.4603
17	.094	1.8561	1.8561	1.8519	2.5008	4.6094	1.5924
18	.100	1.1894	1.1894	1.1852	1.6921	3.1187	1.0774
19	.106	.9382	.9382	.9360	1.4190	2.6154	.9035
20	.111	.7586	.7586	.7463	1.2121	2.2341	.7718
21	.117	.4675	.4675	.4633	.8002	1.4895	.5146
22	.122	.3542	.3542	.3499	.6588	1.2143	.4195
23	.128	.2061	.2061	.2018	.4120	.7594	.2623
24	.133	.1641	.1641	.1598	.3555	.6552	.2264
25	.139	.1788	.1788	.1746	.4246	.7826	.2703
26	.144	.1246	.1246	.1204	.3222	.5938	.2051
27	.150	.1046	.1046	.1003	.2962	.5459	.1886
28	.156	.0873	.0873	.0831	.2719	.5011	.1731
29	.161	.0853	.0853	.0810	.2690	.4957	.1878
30	.167	.0932	.0932	.0889	.3621	.6673	.2305
31	.172	.0609	.0609	.0567	.2588	.4771	.1648
32	.178	.0449	.0449	.0402	.2071	.3817	.1319
33	.183	.0396	.0396	.0352	.2046	.3770	.1302
34	.189	.0295	.0295	.0211	.1609	.2547	.0897
35	.194	.0246	.0246	.0204	.1536	.2832	.0978
36	.200	.0273	.0273	.0231	.1946	.3675	.1270
37	.206	.0249	.0249	.0207	.2050	.3779	.1305
38	.211	.0236	.0236	.0193	.2212	.4076	.1408
39	.217	.0200	.0200	.0158	.2097	.3865	.1335
40	.222	.0158	.0163	.0121	.1862	.3433	.1186
41	.228	.0136	.0133	.0090	.1623	.2991	.1033
42	.233	.0100	.0108	.0065	.1378	.2540	.0877
43	.239	.0095	.0096	.0053	.1320	.2433	.0840
44	.244	.0093	.0091	.0049	.1429	.2633	.0910
45	.250	.0084	.0092	.0049	.1712	.3155	.1090
46	.256	.0106	.0102	.0060	.2485	.4581	.1582
47	.261	.0114	.0105	.0062	.3085	.5686	.1964
48	.267	.0086	.0086	.0042	.2473	.4558	.1575
49	.272	.0059	.0057	.0014	.1828	.1895	.0655
50	.278	.0037	.0041	.0000	.0000	.0000	.0000
51	.283	.0038	.0042	.0000	.0000	.0000	.0000
52	.289	.0053	.0051	.0008	.1086	.2002	.0692
53	.294	.0059	.0057	.0014	.2252	.4152	.1434
54	.300	.0057	.0056	.0014	.2611	.4812	.1662
55	.306	.0052	.0051	.0009	.2115	.3898	.1347
56	.311	.0045	.0044	.0001	.0439	.0810	.0280
57	.317	.0036	.0036	.0000	.0000	.0000	.0000
58	.322	.0029	.0028	.0000	.0000	.0000	.0000
59	.328	.0028	.0029	.0000	.0000	.0000	.0000
60	.333	.0036	.0032	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 12/12/55 AV. T= 6.9 RECORD = JMC174
HOUR = 15 SIG.HGT. = 12.2 UPPER HGT. = 13.1
TOTAL DF =244 CORR. VAR. = 9.3 LOWER HGT. = 11.3
NOISE LEVEL = .0020 WIND SPEED = 20

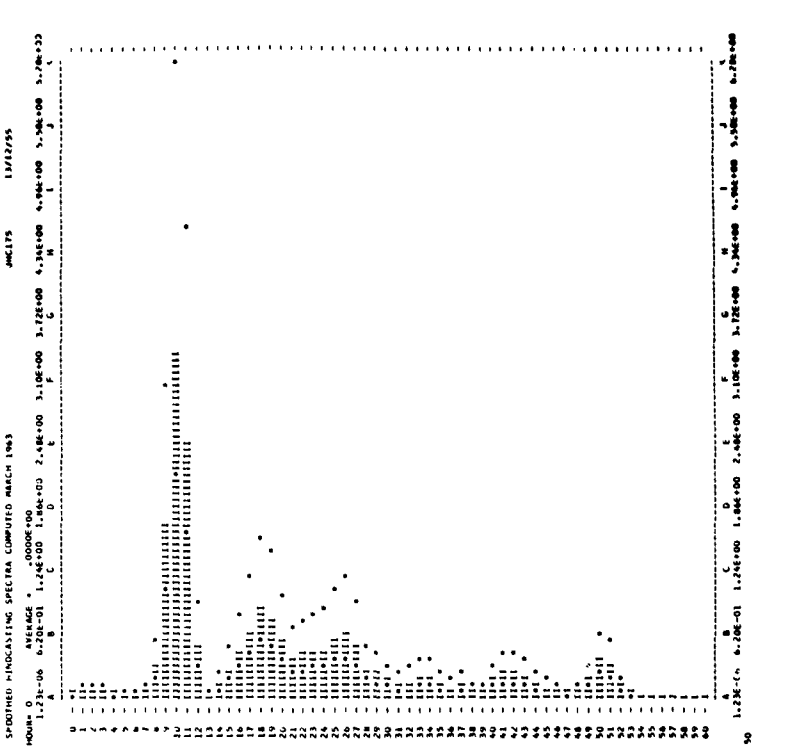
N	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0196	.0196	.0176	.0176	.0324	.0112
1	.006	.0249	.0249	.0229	.0229	.0421	.0146
2	.011	.0345	.0345	.0325	.0325	.0598	.0207
3	.017	.0336	.0336	.0316	.0316	.0582	.0201
4	.022	.0230	.0230	.0210	.0210	.0386	.0133
5	.028	.0183	.0183	.0163	.0163	.0300	.0104
6	.033	.0177	.0177	.0157	.0253	.0466	.0161
7	.039	.0162	.0162	.0122	.0167	.0308	.0106
8	.044	.0125	.0125	.0105	.0130	.0240	.0083
9	.050	.0146	.0146	.0126	.0148	.0272	.0094
10	.056	.0229	.0229	.0209	.0238	.0438	.0151
11	.061	.0270	.0270	.0250	.0282	.0520	.0179
12	.067	.0287	.0287	.0267	.0302	.0557	.0193
13	.072	.0444	.0444	.0424	.0489	.0902	.0311
14	.078	.1394	.1394	.1374	.1631	.3005	.1038
15	.083	.4143	.4143	.4123	.5073	.9349	.3230
16	.089	.5653	.5653	.5633	.7235	1.3335	.4607
17	.094	.5169	.5169	.5149	.6955	1.2818	.4427
18	.100	.5016	.5016	.4996	.7132	1.3146	.4541
19	.106	.3724	.3724	.3704	.5627	1.0371	.3583
20	.111	.2900	.2900	.2880	.4827	.7623	.2564
21	.117	.2503	.2503	.2483	.4331	.7982	.2758
22	.122	.2143	.2143	.2123	.3997	.7366	.2545
23	.128	.1663	.1663	.1643	.3353	.6181	.2135
24	.133	.1695	.1695	.1675	.3725	.6866	.2372
25	.139	.1483	.1483	.1383	.3367	.6205	.2144
26	.144	.0792	.0792	.0772	.2065	.3807	.1315
27	.150	.0694	.0694	.0674	.1989	.3666	.1266
28	.156	.0702	.0702	.0682	.2231	.4112	.1420
29	.161	.0645	.0645	.0625	.2275	.4192	.1448
30	.167	.0591	.0591	.0571	.2323	.4282	.1479
31	.172	.0425	.0425	.0405	.1847	.3405	.1176
32	.178	.0328	.0328	.0308	.1569	.2894	.0982
33	.183	.0262	.0262	.0222	.1290	.2377	.0821
34	.189	.0177	.0177	.0157	.1036	.1910	.0660
35	.194	.0211	.0211	.0191	.1437	.2649	.0915
36	.200	.0213	.0213	.0193	.1665	.3068	.1059
37	.206	.0161	.0161	.0141	.1395	.2571	.0888
38	.211	.0106	.0106	.0086	.0980	.1807	.0624
39	.217	.0098	.0098	.0078	.1030	.1899	.0656
40	.222	.0097	.0089	.0068	.1055	.1945	.0672
41	.228	.0083	.0084	.0049	.0888	.1651	.0584
42	.233	.0055	.0056	.0036	.0758	.1397	.0481
43	.239	.0052	.0053	.0033	.0823	.1518	.0524
44	.244	.0055	.0056	.0039	.1039	.1919	.0662
45	.250	.0061	.0058	.0038	.1319	.2432	.0840
46	.256	.0056	.0055	.0035	.1436	.2647	.0914
47	.261	.0047	.0045	.0025	.1234	.2276	.0786
48	.267	.0031	.0033	.0012	.0737	.1359	.0469
49	.272	.0022	.0024	.0003	.0553	.1019	.0355
50	.278	.0020	.0021	.0001	.0036	.0104	.0036
51	.283	.0022	.0022	.0002	.0062	.0003	.0001
52	.289	.0024	.0024	.0004	.0004	.0000	.0000
53	.294	.0028	.0028	.0008	.0008	.0015	.0005
54	.300	.0033	.0030	.0009	.0009	.0017	.0006
55	.306	.0025	.0024	.0004	.0004	.0007	.0002
56	.311	.0013	.0016	.0000	.0000	.0000	.0000
57	.317	.0017	.0016	.0000	.0000	.0000	.0000
58	.322	.0018	.0015	.0000	.0000	.0000	.0000
59	.328	.0016	.0015	.0000	.0000	.0000	.0000
60	.333	.0012	.0014	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 13/12/55 AV. T= 7.7 RECORD = JHC175
HOUR = 0 SIG.HGT. = 17.8 UPPER HGT. = 19.5
TOTAL OF =193 CORR. VAR. = 19.7 LOWER HGT. = 16.2
NOISE LEVEL = .0099 WIND SPEED = 15

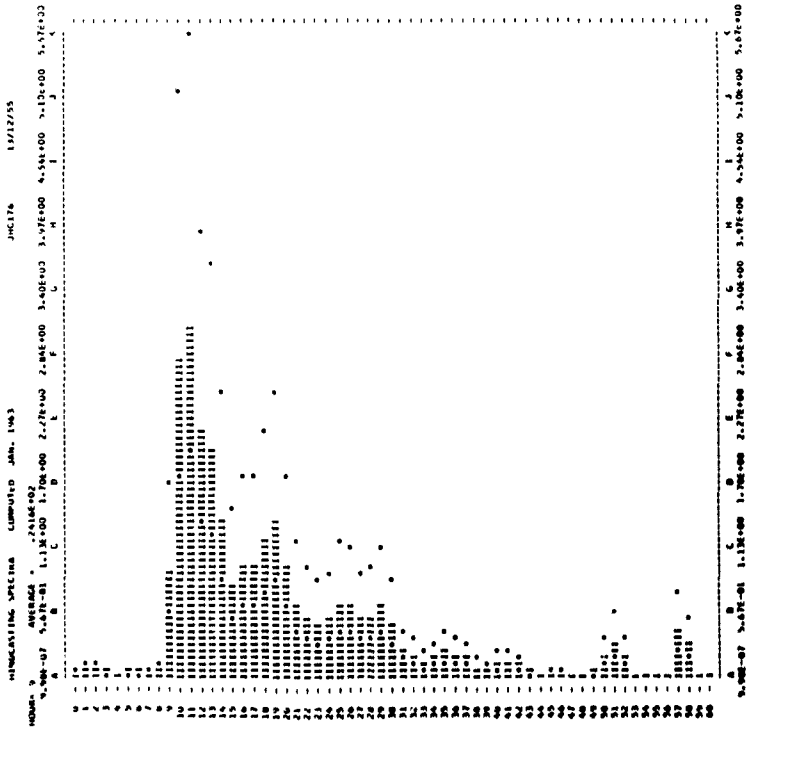
N	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0449	.0449	.0396	.0396	.0726	.0251
1	.006	.0577	.0577	.0522	.0522	.0962	.0332
2	.011	.0663	.0663	.0608	.0608	.1120	.0387
3	.017	.0663	.0663	.0608	.0608	.1120	.0387
4	.022	.0504	.0504	.0449	.0449	.0827	.0286
5	.028	.0324	.0324	.0269	.0269	.0495	.0171
6	.033	.0179	.0179	.0120	.0193	.0357	.0123
7	.039	.0556	.0556	.0499	.0685	.1263	.0436
8	.044	.2368	.2368	.2313	.2880	.5308	.1834
9	.050	1.4032	1.4032	1.3997	1.6441	3.0302	1.0468
10	.056	2.9575	2.9575	2.9520	3.3650	6.2021	2.1426
11	.061	2.2129	2.2129	2.2074	2.4923	4.5938	1.5870
12	.067	.4555	.4555	.4500	.5104	.9408	.3250
13	.072	.0313	.0313	.0258	.0298	.0549	.0190
14	.078	.1102	.1102	.1047	.1262	.2290	.0791
15	.083	.2162	.2162	.2107	.2592	.4778	.1651
16	.089	.3684	.3684	.3629	.4404	.8118	.2804
17	.094	.4861	.4861	.4808	.6490	1.1961	.4132
18	.100	.5995	.5995	.5940	.8480	1.5630	.5400
19	.106	.5104	.5104	.5049	.7671	1.4138	.4884
20	.111	.3368	.3368	.3313	.5380	.9917	.3426
21	.117	.2266	.2266	.2211	.3856	.7108	.2456
22	.122	.2227	.2227	.2172	.4089	.7537	.2604
23	.128	.2232	.2232	.2177	.4444	.8191	.2830
24	.133	.2119	.2119	.2064	.4590	.8461	.2923
25	.139	.2360	.2360	.2305	.5612	1.0343	.3573
26	.144	.2383	.2383	.2328	.6230	1.1483	.3967
27	.150	.1712	.1712	.1657	.4891	.9015	.2614
28	.156	.0898	.0898	.0843	.2758	.5083	.1756
29	.161	.0669	.0669	.0614	.2235	.4119	.1423
30	.167	.0495	.0495	.0440	.1790	.3300	.1140
31	.172	.0331	.0331	.0276	.1259	.2320	.0802
32	.178	.0354	.0354	.0299	.1538	.2835	.0979
33	.183	.0385	.0385	.0330	.1919	.3537	.1222
34	.189	.0357	.0357	.0302	.1996	.3678	.1271
35	.194	.0216	.0216	.0161	.1212	.2233	.0772
36	.200	.0161	.0161	.0106	.0913	.1683	.0581
37	.206	.0181	.0181	.0126	.1247	.2298	.0794
38	.211	.0123	.0123	.0068	.0775	.1429	.0494
39	.217	.0117	.0117	.0062	.0819	.1510	.0522
40	.222	.0181	.0168	.0113	.1739	.3205	.1107
41	.228	.0193	.0182	.0127	.2292	.4226	.1459
42	.233	.0183	.0183	.0107	.2269	.4182	.1445
43	.239	.0132	.0132	.0077	.1906	.3513	.1214
44	.244	.0101	.0102	.0047	.1380	.2543	.0878
45	.250	.0075	.0080	.0025	.0879	.1620	.0560
46	.256	.0071	.0071	.0016	.0642	.1184	.0409
47	.261	.0066	.0066	.0009	.0498	.0845	.0292
48	.267	.0065	.0064	.0009	.0520	.0959	.0331
49	.272	.0080	.0081	.0026	.1842	.3396	.1173
50	.278	.0100	.0095	.0040	.3484	.6386	.2206
51	.283	.0083	.0083	.0028	.2918	.5378	.1858
52	.289	.0067	.0066	.0009	.1121	.2066	.0714
53	.294	.0059	.0058	.0003	.0431	.0795	.0275
54	.300	.0057	.0055	.0000	.0000	.0000	.0000
55	.306	.0049	.0047	.0000	.0000	.0000	.0000
56	.311	.0036	.0037	.0000	.0000	.0000	.0000
57	.317	.0027	.0032	.0000	.0000	.0000	.0000
58	.322	.0040	.0043	.0000	.0000	.0000	.0000
59	.328	.0065	.0062	.0007	.0000	.0000	.0004
60	.333	.0077	.0071	.0016	.0016	.0029	.0010



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 13/12/55 AV. T= N=1 RECORD = JHC176
HOUR = 9 SIG.HGT. = 21.0 UPPER HGT. = 22.8
TOTAL OF =194 CORR. VAR. = 27.4 LOWER HGT. = 17.3
NOISE LEVEL = .0057 WIND SPEED = 15

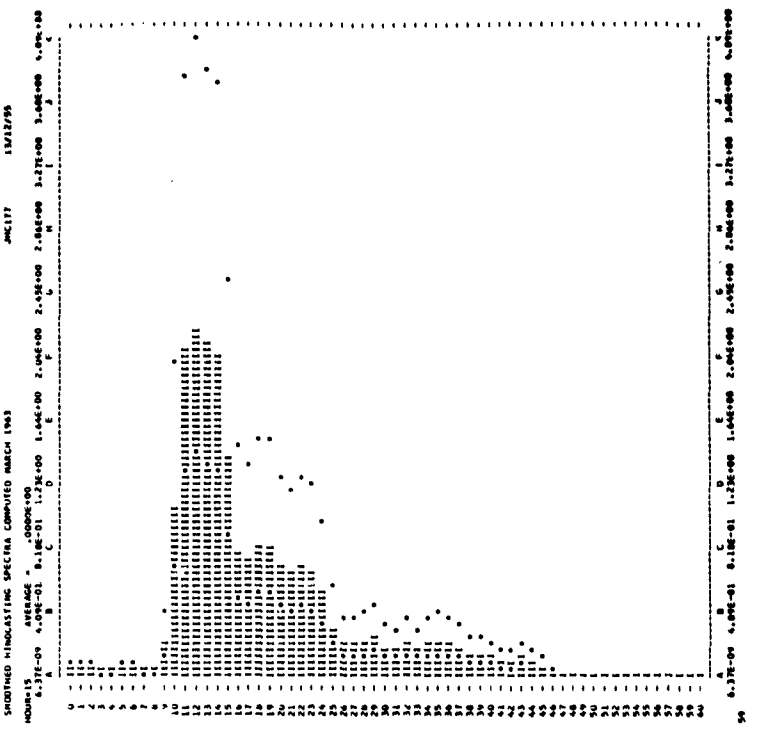
N	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0339	.0339	.0282	.0282	.0519	.0179
1	.006	.0646	.0646	.0589	.0589	.1085	.0375
2	.011	.0738	.0738	.0681	.0680	.1254	.0433
3	.017	.0359	.0359	.0301	.0301	.0555	.0192
4	.022	.0210	.0210	.0153	.0193	.0281	.0097
5	.028	.0361	.0361	.0306	.0306	.0564	.0195
6	.033	.0297	.0297	.0240	.0387	.0714	.0247
7	.039	.0254	.0254	.0196	.0269	.0497	.0172
8	.044	.0557	.0557	.0500	.0622	.1147	.0396
9	.050	.7911	.7911	.7854	.9225	1.7003	.5874
10	.056	2.4489	2.4489	2.4432	2.7850	5.1331	1.7733
11	.061	2.7304	2.7304	2.7247	3.0765	5.6704	1.9589
12	.067	1.8868	1.8868	1.8811	2.1337	3.9327	1.3586
13	.072	1.7173	1.7173	1.7116	1.9783	3.6527	1.2586
14	.078	1.1525	1.1525	1.1467	1.3612	2.5088	.8667
15	.083	.6598	.6598	.6541	.8048	1.4833	.5124
16	.089	.7575	.7575	.7517	.9656	1.7797	.6149
17	.094	.7074	.7074	.7016	.9475	1.7466	.6033
18	.100	.8269	.8269	.8212	1.1636	2.1557	.7467
19	.106	.8917	.8917	.8860	1.3461	2.4910	.8571
20	.111	.8014	.8014	.7956	.9673	1.7830	.6159
21	.117	.3686	.3686	.3629	.4330	1.1667	.4030
22	.122	.2816	.2816	.2761	.5198	.9581	.3310
23	.128	.2296	.2296	.2238	.4569	.8422	.2910
24	.133	.2286	.2286	.2229	.4457	.8137	.2857
25	.139	.2648	.2648	.2591	.6308	1.1627	.4017
26	.144	.2406	.2406	.2349	.6287	1.1587	.4003
27	.150	.1718	.1718	.1660	.4901	.9033	.3121
28	.156	.1528	.1528	.1471	.5140	.9473	.3273
29	.161	.1720	.1720	.1663	.6034	1.1159	.3855
30	.167	.1161	.1161	.1104	.4494	.8282	.2861
31	.172	.0967	.0967	.0689	.2233	.4116	.1422
32	.178	.0392	.0392	.0335	.1725	.3180	.1098
33	.183	.0281	.0281	.0224	.1301	.2398	.0828
34	.189	.0283	.0283	.0225	.1489	.2745	.0948
35	.194	.0332	.0332	.0276	.2069	.3813	.1317
36	.200	.0281	.0281	.0224	.1930	.3557	.1229
37	.206	.0201	.0201	.0144	.1426	.2628	.0908
38	.211	.0179	.0179	.0071	.0817	.1505	.0520
39	.217	.0113	.0113	.0055	.0732	.1350	.0466
40	.222	.0141	.0136	.0077	.1185	.2183	.0754
41	.228	.0143	.0132	.0075	.1342	.2474	.0855
42	.233	.0102	.0102	.0044	.0942	.1736	.0600
43	.239	.0067	.0070	.0013	.0322	.0594	.0205
44	.244	.0056	.0059	.0002	.0052	.0098	.0033
45	.250	.0063	.0062	.0004	.0154	.0285	.0098
46	.256	.0069	.0063	.0006	.0238	.0439	.0152
47	.261	.0059	.0060	.0002	.0120	.0221	.0076
48	.267	.0056	.0058	.0000	.0011	.0021	.0007
49	.272	.0060	.0060	.0003	.0388	.0715	.0247
50	.278	.0076	.0077	.0020	.0494	.9122	.1079
51	.283	.0096	.0086	.0028	.2989	.5506	.1903
52	.289	.0076	.0072	.0019	.1847	.3407	.1208
53	.294	.0042	.0049	.0000	.0000	.0000	.0000
54	.300	.0038	.0041	.0000	.0000	.0000	.0000
55	.306	.0046	.0046	.0000	.0000	.0000	.0000
56	.311	.0055	.0058	.0000	.0094	.0173	.0060
57	.317	.0074	.0068	.0011	.3908	.7200	.2487
58	.322	.0068	.0064	.0008	.2911	.5365	.1854
59	.328	.0044	.0049	.0000	.0000	.0000	.0000
60	.333	.0039	.0042	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 13/12/55 | AV. T= 9.1 | RECORD = JHC177
HOUR = 15 | SIG.HGT. = 18.5 | UPPER HGT. = 20.2
TOTAL DF =177 | CORR. VAR. = 21.3 | LOWER HGT. = 16.9
NOISE LEVEL = .0033 | WIND SPEED = 10

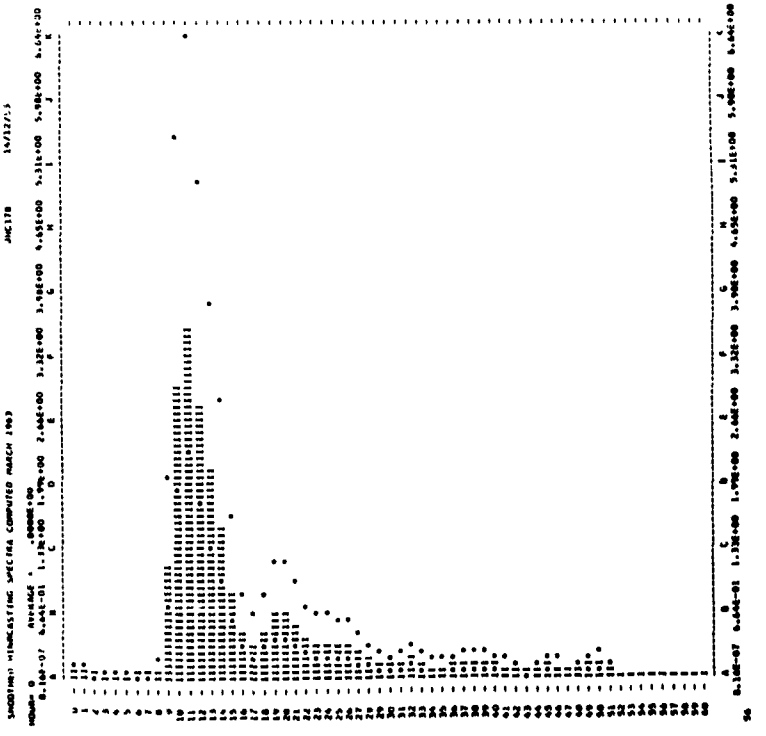
N	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0367	.0367	.0334	.0334	.0616	.0213
1	.006	.0447	.0447	.0414	.0414	.0764	.0264
2	.011	.0442	.0442	.0409	.0409	.0756	.0261
3	.017	.0315	.0315	.0282	.0282	.0520	.0180
4	.022	.0338	.0338	.0305	.0305	.0563	.0194
5	.028	.0426	.0426	.1391	.0391	.0721	.0249
6	.033	.0287	.0287	.0254	.0411	.0757	.0262
7	.039	.0194	.0194	.0161	.0222	.0409	.0141
8	.044	.0266	.0266	.0233	.0291	.0536	.0185
9	.050	.1905	.1905	.1872	.2194	.4044	.1400
10	.056	.9476	.9476	.9443	1.0766	1.9840	.6856
11	.061	1.8509	1.8509	1.8476	2.0862	3.8451	1.3283
12	.067	1.9592	1.9592	1.9559	2.2186	4.0892	1.4127
13	.072	1.8381	1.8381	1.8348	2.1187	3.9050	1.3490
14	.078	1.7330	1.7330	1.7297	2.0532	3.7843	1.3073
15	.083	1.1256	1.1256	1.1223	1.3809	2.5452	.8793
16	.089	.6231	.6231	.6198	.7962	1.4675	.5070
17	.094	.5476	.5476	.5443	.7348	1.3543	.4679
18	.100	.5798	.5798	.5765	.8231	1.5171	.5241
19	.106	.5469	.5469	.5436	.8259	1.5223	.5259
20	.111	.4325	.4325	.4292	.6971	1.2849	.4439
21	.117	.3775	.3775	.3742	.6528	1.2032	.4157
22	.122	.3695	.3695	.3662	.6820	1.2570	.4343
23	.128	.3303	.3303	.3270	.6676	1.2306	.4251
24	.133	.2418	.2418	.2385	.5306	.9779	.3378
25	.139	.1275	.1275	.1242	.3025	.5575	.1926
26	.144	.0757	.0757	.0724	.1938	.3573	.1234
27	.150	.0686	.0686	.0653	.1929	.3555	.1228
28	.156	.0717	.0717	.0684	.2239	.4128	.1426
29	.161	.0697	.0697	.0664	.2619	.4829	.1540
30	.167	.0446	.0446	.0413	.1683	.3102	.1072
31	.172	.0390	.0390	.0357	.1631	.3007	.1039
32	.178	.0407	.0407	.0374	.1927	.3552	.1227
33	.183	.0314	.0314	.0281	.1637	.3017	.1042
34	.189	.0319	.0319	.0286	.1894	.3490	.1206
35	.194	.0320	.0320	.0287	.2166	.3992	.1379
36	.200	.0263	.0263	.0230	.1989	.3665	.1266
37	.206	.0203	.0203	.0170	.1689	.3113	.1076
38	.211	.0155	.0155	.0122	.1400	.2581	.0892
39	.217	.0133	.0133	.0100	.1331	.2454	.0848
40	.222	.0112	.0108	.0076	.1166	.2149	.0742
41	.228	.0076	.0083	.0051	.0911	.1679	.0580
42	.233	.0069	.0074	.0041	.0872	.1608	.0555
43	.239	.0082	.0075	.0043	.1044	.1940	.0677
44	.244	.0069	.0066	.0034	.0986	.1816	.0628
45	.250	.0045	.0049	.0016	.0568	.1047	.0362
46	.256	.0037	.0037	.0005	.0190	.0350	.0121
47	.261	.0030	.0030	.0000	.0000	.0000	.0000
48	.267	.0024	.0027	.0000	.0000	.0000	.0000
49	.272	.0032	.0032	.0000	.0000	.0000	.0000
50	.278	.0041	.0037	.0005	.0005	.0009	.0003
51	.283	.0036	.0036	.0004	.0004	.0007	.0002
52	.289	.0033	.0036	.0003	.0003	.0006	.0002
53	.294	.0041	.0041	.0008	.0008	.0015	.0005
54	.300	.0048	.0047	.0014	.0014	.0026	.0009
55	.306	.0050	.0047	.0014	.0014	.0026	.0009
56	.311	.0040	.0039	.0006	.0006	.0012	.0004
57	.317	.0026	.0027	.0000	.0000	.0000	.0000
58	.322	.0018	.0019	.0000	.0000	.0000	.0000
59	.328	.0016	.0017	.0000	.0000	.0000	.0000
60	.333	.0018	.0017	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 14/12/55 | AV. T= 9.5 | RECORD = JHC178
HOUR = 0 | SIG.HGT. = 19.3 | UPPER HGT. = 21.3
TOTAL DF =130 | CORR. VAR. = 23.2 | LOWER HGT. = 17.4
NOISE LEVEL = .0029 | WIND SPEED = 15

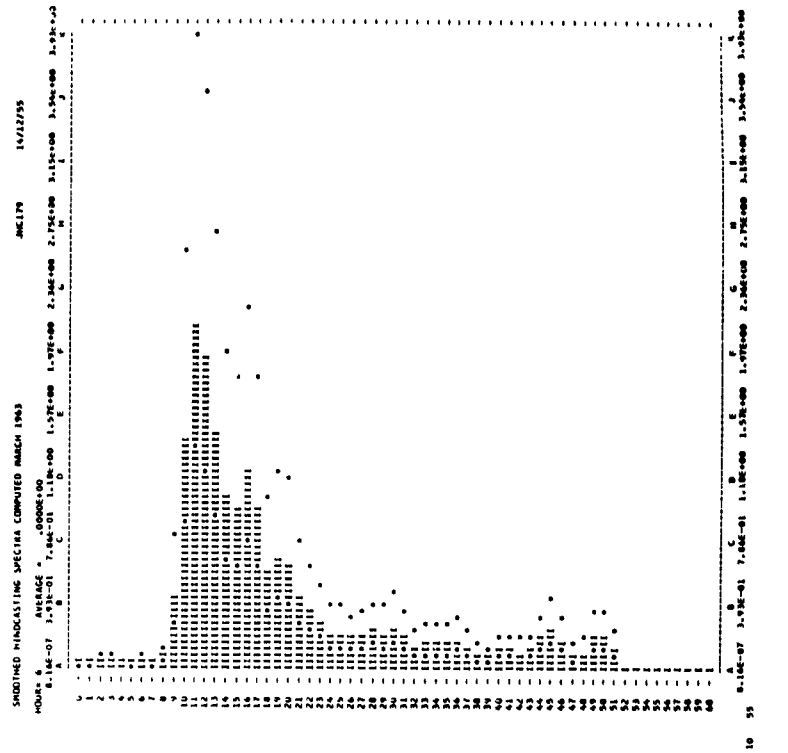
N	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0704	.0704	.0675	.0675	.1244	.0430
1	.006	.0616	.0616	.0587	.0587	.1082	.0374
2	.011	.0481	.0481	.0452	.0452	.0833	.0288
3	.017	.0361	.0361	.0332	.0332	.0612	.0211
4	.022	.0250	.0250	.0221	.0221	.0407	.0141
5	.028	.0232	.0232	.0203	.0203	.0374	.0129
6	.033	.0246	.0246	.0217	.0347	.0640	.0221
7	.039	.0300	.0300	.0271	.0572	.0886	.0237
8	.044	.0825	.0825	.0796	.0991	.1827	.0631
9	.050	.9815	.9815	.9586	1.1260	2.0753	.7169
10	.056	2.6496	2.6496	2.6467	3.0170	5.5607	1.9210
11	.061	3.1961	3.1961	3.1932	3.6032	6.6412	2.2943
12	.067	2.4496	2.4496	2.4467	2.7753	5.1152	1.7671
13	.072	1.8201	1.8201	1.8172	2.0983	3.8675	1.3361
14	.078	1.2986	1.2986	1.2957	1.5180	2.8367	.9793
15	.083	.7270	.7270	.7241	.8909	1.6421	.5673
16	.089	.3790	.3790	.3761	.4831	.8904	.3076
17	.094	.2681	.2681	.2652	.3581	.6600	.2280
18	.100	.3329	.3329	.3300	.4711	.8683	.3000
19	.106	.4190	.4190	.4161	.6322	1.1652	.4025
20	.111	.4028	.4028	.3999	.6495	1.1970	.4135
21	.117	.3188	.3188	.3159	.5510	1.0156	.3509
22	.122	.2184	.2184	.2155	.4057	.7478	.2583
23	.128	.1757	.1757	.1728	.3527	.6502	.2246
24	.133	.1596	.1596	.1567	.3685	.6924	.2219
25	.139	.1355	.1355	.1326	.3228	.5950	.2056
26	.144	.1225	.1225	.1196	.3201	.5899	.2038
27	.150	.0892	.0892	.0863	.2547	.4695	.1622
28	.156	.0559	.0559	.0530	.1734	.3196	.1104
29	.161	.0419	.0419	.0390	.1420	.2617	.0904
30	.167	.0328	.0328	.0299	.1217	.2243	.0775
31	.172	.0336	.0336	.0307	.1401	.2582	.0892
32	.178	.0352	.0352	.0323	.1682	.3064	.1058
33	.183	.0266	.0266	.0237	.1378	.2540	.0878
34	.189	.0179	.0179	.0150	.0991	.1827	.0631
35	.194	.0151	.0151	.0122	.0919	.1693	.0585
36	.200	.0154	.0154	.0125	.1078	.1987	.0686
37	.206	.0164	.0164	.0135	.1337	.2465	.0852
38	.211	.0151	.0151	.0122	.1395	.2571	.0888
39	.217	.0129	.0129	.0100	.1325	.2442	.0844
40	.222	.0104	.0104	.0075	.1198	.2125	.0738
41	.228	.0084	.0082	.0053	.0947	.1746	.0603
42	.233	.0057	.0058	.0029	.0689	.1122	.0388
43	.239	.0034	.0043	.0014	.0544	.0834	.0219
44	.244	.0047	.0049	.0020	.0575	.1060	.0366
45	.250	.0067	.0058	.0029	.1013	.1867	.0645
46	.256	.0052	.0051	.0022	.0906	.1669	.0577
47	.261	.0033	.0040	.0011	.0538	.0991	.0342
48	.267	.0042	.0041	.0012	.0709	.1299	.0449
49	.272	.0047	.0049	.0016	.1178	.2156	.0745
50	.278	.0046	.0044	.0015	.1329	.2450	.0846
51	.283	.0039	.0036	.0007	.0747	.1376	.0475
52	.289	.0021	.0025	.0000	.0000	.0000	.0000
53	.294	.0021	.0023	.0000	.0000	.0000	.0000
54	.300	.0028	.0024	.0000	.0000	.0000	.0000
55	.306	.0021	.0022	.0000	.0000	.0000	.0000
56	.311	.0018	.0019	.0000	.0000	.0000	.0000
57	.317	.0020	.0021	.0000	.0000	.0000	.0000
58	.322	.0027	.0029	.0000	.0000	.0159	.0294
59	.328	.0044	.0042	.0013	.0013	.0024	.0000
60	.333	.0053	.0048	.0019	.0019	.0036	.0012



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 14/12/55 — Av. T= 8.2 — RECORD = JHC179
HOUR = 6 — SIG.HGT. = 17.6 — UPPER HGT. = 19.1
TOTAL OF =100 — CORR. VAR. = 19.3 — LOWER HGT. = 16.1
NOISE LEVEL = .0086 — WIND SPEED = 20

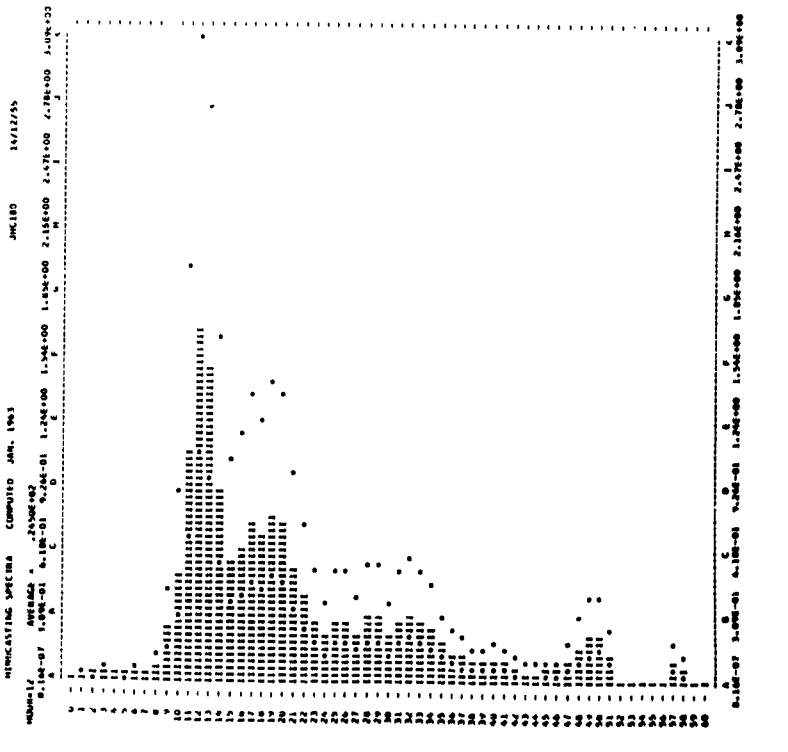
N	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0331	.0331	.0267	.0267	.0492	.0170
1	.006	.0367	.0367	.0303	.0303	.0558	.0193
2	.011	.0423	.0423	.0359	.0359	.0662	.0229
3	.017	.0423	.0423	.0359	.0359	.0662	.0229
4	.022	.0375	.0375	.0311	.0311	.0573	.0198
5	.028	.0331	.0331	.0267	.0267	.0492	.0170
6	.033	.0267	.0267	.0203	.0328	.0604	.0209
7	.039	.0259	.0259	.0195	.0268	.0496	.0171
8	.044	.0659	.0659	.0595	.0741	.1365	.0472
9	.050	.1841	.1841	.1777	.1636	.3177	.2825
10	.056	1.2376	1.2376	1.2312	1.4036	2.9867	.8936
11	.061	1.8956	1.8956	1.8892	2.1331	3.9216	1.3582
12	.067	1.7152	1.7152	1.7088	1.9383	3.6725	1.2342
13	.072	1.2816	1.2816	1.2752	1.4725	2.7140	.9376
14	.078	.9131	.9131	.9067	1.0268	1.9837	.6893
15	.083	.7972	.7972	.7908	.9730	1.7936	.6199
16	.089	.9670	.9670	.9606	1.2082	2.2269	.7693
17	.094	.7298	.7298	.7234	.9769	1.8005	.6220
18	.100	.4092	.4092	.4028	.5781	1.0599	.3662
19	.106	.4431	.4431	.4367	.6035	1.2229	.4225
20	.111	.4052	.4052	.3988	.6477	1.1938	.4124
21	.117	.2491	.2491	.2387	.4184	.7674	.2651
22	.122	.1929	.1929	.1865	.3011	.5472	.2236
23	.128	.1462	.1462	.1378	.2813	.5180	.1791
24	.133	.0989	.0989	.0925	.2057	.3792	.1310
25	.139	.0937	.0937	.0873	.2126	.3918	.1353
26	.144	.0729	.0729	.0665	.1780	.3280	.1133
27	.150	.0716	.0716	.0652	.1925	.3548	.1226
28	.156	.0729	.0729	.0665	.2176	.4011	.1386
29	.161	.0634	.0634	.0570	.2079	.3832	.1322
30	.167	.0690	.0690	.0626	.2548	.4697	.1623
31	.172	.0507	.0507	.0443	.2022	.3727	.1288
32	.178	.0302	.0302	.0238	.1225	.2258	.0780
33	.183	.0314	.0314	.0250	.1454	.2681	.0926
34	.189	.0283	.0283	.0219	.1448	.2669	.0922
35	.194	.0295	.0295	.0191	.1439	.2653	.0917
36	.200	.0257	.0257	.0193	.1666	.3070	.1061
37	.206	.0202	.0202	.0138	.1368	.2521	.0871
38	.211	.0140	.0140	.0076	.0849	.1602	.0596
39	.217	.0120	.0120	.0056	.0742	.1368	.0473
40	.222	.0135	.0130	.0066	.1021	.1882	.0650
41	.228	.0131	.0125	.0061	.1102	.2031	.0702
42	.233	.0104	.0110	.0046	.0980	.1807	.0624
43	.239	.0103	.0109	.0045	.1123	.2069	.0715
44	.244	.0127	.0124	.0060	.1774	.3270	.1130
45	.250	.0161	.0129	.0065	.2269	.4183	.1445
46	.256	.0108	.0106	.0042	.1749	.3224	.1114
47	.261	.0068	.0081	.0017	.0827	.1525	.0527
48	.267	.0079	.0080	.0016	.0978	.1803	.0623
49	.272	.0096	.0090	.0026	.1839	.3389	.1171
50	.278	.0088	.0087	.0023	.1987	.3663	.1265
51	.283	.0076	.0075	.0011	.1178	.2171	.0750
52	.289	.0061	.0061	.0000	.0000	.0000	.0000
53	.294	.0047	.0050	.0000	.0000	.0000	.0000
54	.300	.0047	.0050	.0000	.0000	.0000	.0000
55	.306	.0060	.0060	.0000	.0000	.0000	.0000
56	.311	.0072	.0068	.0004	.0004	.0007	.0002
57	.317	.0067	.0068	.0004	.0004	.0008	.0003
58	.322	.0067	.0068	.0004	.0004	.0007	.0003
59	.328	.0071	.0069	.0005	.0005	.0010	.0003
60	.333	.0069	.0070	.0006	.0006	.0011	.0004



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 14/12/55 — Av. T= 7.5 — RECORD = JHC180
HOUR = 12 — SIG.HGT. = 16.2 — UPPER HGT. = 17.5
TOTAL OF =229 — CORR. VAR. = 16.4 — LOWER HGT. = 15.0
NOISE LEVEL = .0022 — WIND SPEED = 20

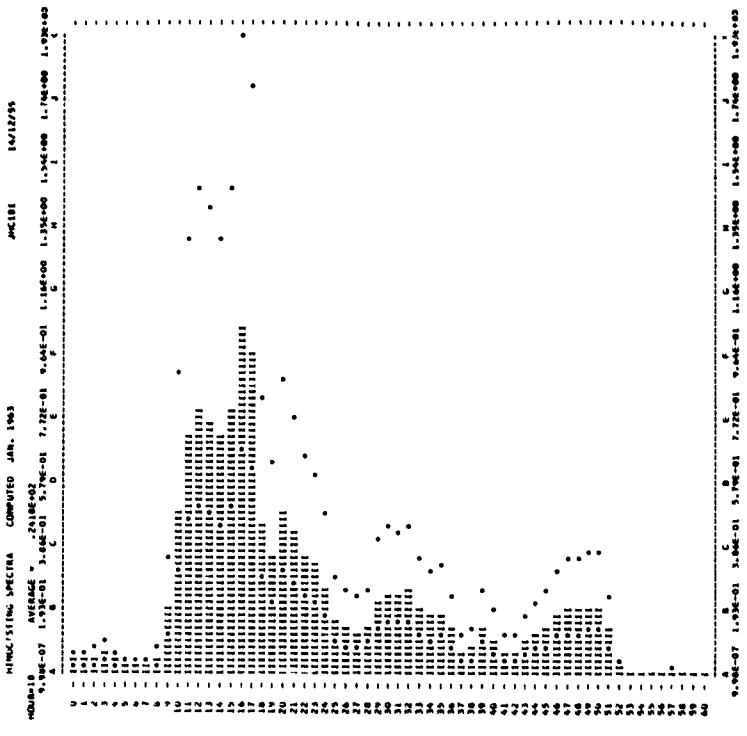
N	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0077	.0077	.0055	.0055	.0101	.0035
1	.006	.0134	.0134	.0112	.0112	.0206	.0071
2	.011	.0237	.0237	.0214	.0214	.0395	.0136
3	.017	.0303	.0303	.0281	.0281	.0517	.0179
4	.022	.0268	.0268	.0246	.0246	.0453	.0156
5	.028	.0249	.0249	.0227	.0227	.0418	.0144
6	.033	.0236	.0236	.0212	.0342	.0631	.0218
7	.039	.0202	.0202	.0180	.0267	.0455	.0157
8	.044	.0626	.0626	.0604	.0762	.1385	.0479
9	.050	.2011	.2011	.1989	.2336	.4306	.1487
10	.056	.4367	.4367	.4345	.4929	.9086	.3139
11	.061	.9508	.9508	.9486	1.0711	1.9741	.6820
12	.067	1.4794	1.4794	1.4772	1.6756	3.0883	1.0669
13	.072	1.2923	1.2923	1.2901	1.4896	2.7456	.9485
14	.078	.7525	.7525	.7503	.8906	1.6415	.5671
15	.083	.4658	.4658	.4636	.5706	1.0514	.3632
16	.089	.4939	.4939	.4917	.6316	1.1641	.4022
17	.094	.5528	.5528	.5506	.7435	1.3703	.4734
18	.100	.4759	.4759	.4737	.6763	1.2465	.4306
19	.106	.5061	.5061	.5039	.7656	1.4110	.4875
20	.111	.4613	.4613	.4590	.7655	1.3741	.4747
21	.117	.3057	.3057	.3035	.5294	.9757	.3371
22	.122	.2180	.2180	.2158	.4061	.7488	.2587
23	.128	.1379	.1379	.1357	.2771	.5107	.1764
24	.133	.0941	.0941	.0919	.2044	.3768	.1302
25	.139	.1167	.1167	.1145	.2788	.5138	.1775
26	.144	.1082	.1082	.1039	.2782	.5127	.1771
27	.150	.0763	.0763	.0741	.2188	.4033	.1393
28	.156	.0927	.0927	.0904	.2980	.5495	.1885
29	.161	.0828	.0828	.0806	.2935	.5409	.1869
30	.167	.0924	.0924	.0901	.3061	.5762	.1300
31	.172	.0834	.0834	.0812	.2793	.5167	.1778
32	.178	.0651	.0651	.0628	.3236	.5964	.2060
33	.183	.0505	.0505	.0481	.2809	.5178	.1789
34	.189	.0401	.0401	.0379	.2508	.4618	.1595
35	.194	.0249	.0249	.0227	.1711	.3154	.1090
36	.200	.0176	.0176	.0151	.1308	.2407	.0832
37	.206	.0133	.0133	.0110	.1094	.2017	.0697
38	.211	.0097	.0097	.0075	.0853	.1572	.0543
39	.217	.0084	.0084	.0064	.0850	.1567	.0541
40	.222	.0084	.0084	.0062	.0952	.1755	.0606
41	.228	.0078	.0073	.0051	.0916	.1688	.0583
42	.233	.0051	.0051	.0031	.0653	.1203	.0416
43	.239	.0039	.0039	.0017	.0420	.0775	.0268
44	.244	.0042	.0038	.0015	.0449	.0828	.0286
45	.250	.0038	.0037	.0014	.0502	.0926	.0320
46	.256	.0031	.0036	.0013	.0557	.1026	.0354
47	.261	.0042	.0043	.0020	.1003	.1848	.0638
48	.267	.0054	.0051	.0028	.1692	.3119	.1077
49	.272	.0052	.0052	.0030	.2162	.3984	.1376
50	.278	.0051	.0048	.0025	.2197	.4050	.1399
51	.283	.0036	.0035	.0012	.1304	.2404	.0830
52	.289	.0016	.0021	.0000	.0000	.0000	.0000
53	.294	.0016	.0018	.0000	.0000	.0000	.0000
54	.300	.0022	.0020	.0000	.0000	.0000	.0000
55	.306	.0021	.0021	.0000	.0000	.0000	.0000
56	.311	.0021	.0022	.0000	.0054	.0100	.0035
57	.317	.0027	.0025	.0003	.0109	.0197	.0695
58	.322	.0025	.0024	.0001	.0624	.1151	.0398
59	.328	.0018	.0019	.0000	.0000	.0000	.0000
60	.333	.0018	.0018	.0000	.0000	.0000	.0000



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 14/12/55 AV. T= 7.2 RECORD = JHC101
HOUR = 18 SIG.HGT. = 14.7 UPPER HGT. = 15.8
TOTAL OF =265 CORR. VAR. = 13.5 LOWER HGT. = 13.7
NOISE LEVEL = .0031 WIND SPEED = 15

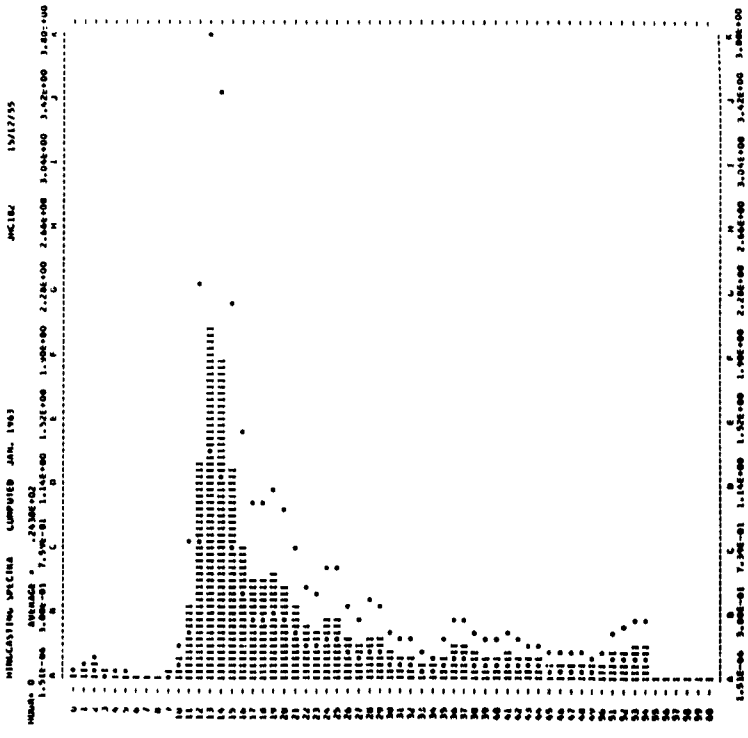
H	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0394	.0394	.0323	.0323	.0596	.0206
1	.006	.0394	.0394	.0303	.0303	.0559	.0193
2	.011	.0454	.0454	.0423	.0423	.0780	.0269
3	.017	.0532	.0532	.0501	.0501	.0924	.0319
4	.022	.0364	.0364	.0333	.0333	.0613	.0212
5	.028	.0215	.0215	.0188	.0188	.0340	.0118
6	.033	.0156	.0158	.0127	.0205	.0378	.0131
7	.039	.0167	.0167	.0136	.0186	.0344	.0119
8	.044	.0362	.0362	.0311	.0388	.0715	.0247
9	.050	.1671	.1671	.1640	.1927	.3552	.1227
10	.056	.4302	.4302	.4271	.4869	.8974	.3100
11	.061	.6364	.6364	.6333	.7151	1.3180	.4553
12	.067	.7042	.7042	.7011	.7993	1.4698	.5064
13	.072	.6409	.6409	.6378	.7598	1.4000	.4836
14	.078	.5999	.5999	.5968	.7084	1.3056	.4510
15	.083	.6478	.6478	.6447	.7932	1.4620	.5051
16	.089	.8178	.8178	.8147	1.0465	1.9288	.6663
17	.094	.7138	.7138	.7107	.9507	1.7689	.6111
18	.100	.3196	.3196	.3125	.4462	.8223	.2841
19	.106	.2299	.2299	.2268	.3446	.6351	.2194
20	.111	.3012	.3012	.2981	.4861	.8924	.3083
21	.117	.2450	.2450	.2420	.4221	.7779	.2687
22	.122	.1909	.1909	.1878	.3537	.6519	.2252
23	.128	.1596	.1596	.1565	.3195	.5888	.2034
24	.133	.1192	.1192	.1161	.2583	.4761	.1645
25	.139	.0686	.0686	.0655	.1594	.2939	.1015
26	.144	.0534	.0534	.0503	.1346	.2481	.0857
27	.150	.0469	.0445	.0414	.1222	.2253	.0778
28	.156	.0454	.0454	.0423	.1383	.2549	.0881
29	.161	.0436	.0436	.0405	.2204	.4063	.1404
30	.167	.0469	.0469	.0578	.2355	.4341	.1500
31	.172	.0546	.0546	.0515	.2352	.4335	.1497
32	.178	.0507	.0507	.0476	.2453	.4522	.1562
33	.183	.0360	.0360	.0329	.1913	.3526	.1218
34	.189	.0281	.0281	.0251	.1657	.3055	.1055
35	.194	.0263	.0263	.0232	.1747	.3220	.1112
36	.200	.0177	.0177	.0146	.1258	.2318	.0801
37	.206	.0089	.0089	.0058	.0576	.1062	.0367
38	.211	.0095	.0095	.0064	.0730	.1345	.0465
39	.217	.0135	.0135	.0104	.1377	.2539	.0877
40	.222	.0099	.0096	.0065	.1003	.1848	.0639
41	.228	.0091	.0064	.0033	.0602	.1109	.0383
42	.233	.0056	.0058	.0027	.0579	.1068	.0369
43	.239	.0070	.0067	.0036	.0892	.1644	.0568
44	.244	.0071	.0069	.0039	.1133	.2088	.0721
45	.250	.0066	.0070	.0039	.1367	.2684	.0858
46	.256	.0075	.0072	.0041	.1719	.3169	.1095
47	.261	.0073	.0070	.0039	.1935	.3568	.1232
48	.267	.0059	.0063	.0032	.1896	.3495	.1208
49	.272	.0060	.0059	.0028	.2006	.3697	.1277
50	.278	.0056	.0054	.0023	.1971	.3632	.1255
51	.283	.0042	.0043	.0012	.1257	.2317	.0800
52	.289	.0031	.0033	.0002	.0233	.0430	.0148
53	.294	.0027	.0029	.0000	.0000	.0000	.0000
54	.300	.0030	.0028	.0000	.0000	.0000	.0000
55	.306	.0026	.0028	.0000	.0000	.0000	.0000
56	.311	.0028	.0029	.0000	.0000	.0000	.0000
57	.317	.0034	.0031	.0000	.0091	.0167	.0058
58	.322	.0028	.0029	.0000	.0000	.0000	.0000
59	.328	.0029	.0029	.0000	.0000	.0000	.0000
60	.333	.0034	.0031	.0000	.0000	.0000	.0000



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 15/12/55 AV. T= 7.4 RECORD = JHC102
HOUR = 0 SIG.HGT. = 15.9 UPPER HGT. = 17.3
TOTAL OF =176 CORR. VAR. = 15.7 LOWER HGT. = 14.5
NOISE LEVEL = .0023 WIND SPEED = 5

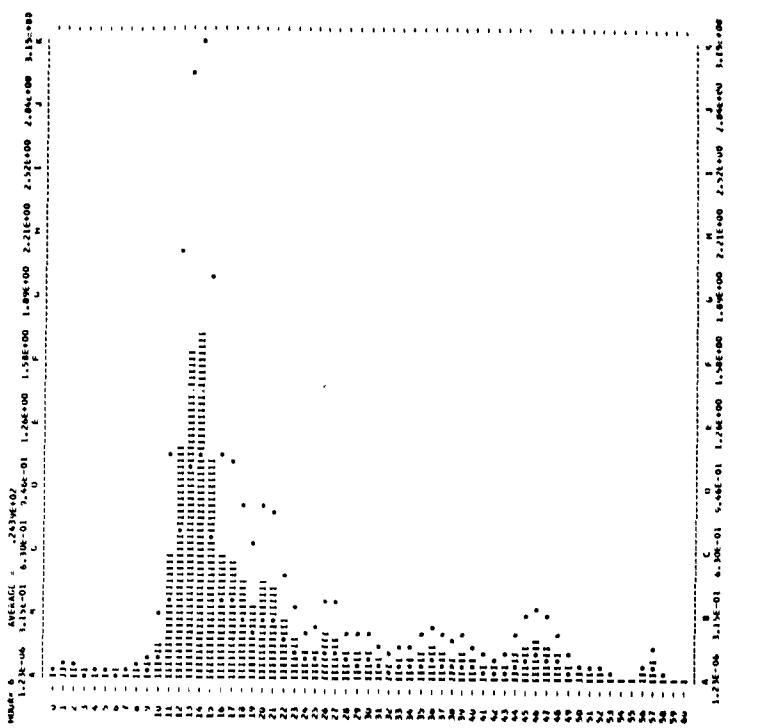
H	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0211	.0211	.0188	.0188	.0346	.0120
1	.006	.0477	.0477	.0454	.0454	.0836	.0289
2	.011	.0494	.0494	.0471	.0492	.0903	.0313
3	.017	.0293	.0293	.0269	.0269	.0497	.0172
4	.022	.0172	.0172	.0149	.0149	.0274	.0095
5	.028	.0132	.0132	.0109	.0109	.0200	.0069
6	.033	.0069	.0069	.0046	.0076	.0139	.0047
7	.039	.0049	.0049	.0026	.0036	.0066	.0023
8	.044	.0080	.0080	.0057	.0071	.0131	.0045
9	.050	.0274	.0274	.0251	.0295	.0544	.0188
10	.056	.1008	.1008	.0985	.1143	.2070	.0715
11	.061	.3789	.3789	.3766	.4252	.7838	.2708
12	.067	1.1137	1.1137	1.1114	1.2607	2.3236	.8027
13	.072	1.7864	1.7864	1.7841	2.0601	3.7971	1.3118
14	.078	1.5772	1.5772	1.5748	1.8693	3.4455	1.1903
15	.083	.9783	.9783	.9760	1.2009	2.2134	.7647
16	.089	.6045	.6045	.6022	.7736	1.4258	.4926
17	.094	.4139	.4139	.4115	.5557	1.0243	.3539
18	.100	.3920	.3920	.3897	.5563	1.0254	.3542
19	.106	.4008	.4008	.3985	.6055	1.1160	.3855
20	.111	.3272	.3272	.3249	.5277	.9726	.3360
21	.117	.2365	.2365	.2342	.4085	.7529	.2601
22	.122	.1597	.1597	.1574	.2963	.5462	.1887
23	.128	.1382	.1382	.1359	.2775	.5115	.1767
24	.133	.1637	.1637	.1614	.3590	.6616	.2286
25	.139	.1426	.1426	.1403	.3417	.6298	.2176
26	.144	.0892	.0892	.0869	.2220	.4091	.1413
27	.150	.0620	.0620	.0597	.1762	.3247	.1122
28	.156	.0762	.0762	.0739	.2418	.4456	.1539
29	.161	.0630	.0630	.0607	.2716	.4076	.1407
30	.167	.0356	.0356	.0333	.1.56	.2499	.0863
31	.172	.0293	.0293	.0270	.1233	.2272	.0785
32	.178	.0243	.0243	.0220	.1134	.2090	.0722
33	.183	.0151	.0151	.0128	.0747	.1377	.0476
34	.189	.0116	.0116	.0092	.0612	.1127	.0389
35	.194	.0178	.0155	.0132	.1171	.2156	.0746
36	.200	.0243	.0243	.0220	.1898	.3498	.1209
37	.206	.0208	.0208	.0185	.1835	.3382	.1168
38	.211	.0145	.0145	.0122	.1399	.2578	.0891
39	.217	.0111	.0111	.0088	.1178	.2171	.0745
40	.222	.0101	.0105	.0082	.1268	.2338	.0508
41	.228	.0107	.0099	.0076	.1372	.2529	.0874
42	.233	.0081	.0082	.0059	.1269	.2302	.0795
43	.239	.0059	.0065	.0042	.1041	.1918	.0663
44	.244	.0060	.0056	.0033	.0906	.1708	.0615
45	.250	.0046	.0046	.0023	.0812	.1496	.0517
46	.256	.0037	.0041	.0017	.0721	.1329	.0459
47	.261	.0044	.0040	.0017	.0852	.1570	.0542
48	.267	.0036	.0036	.0013	.0779	.1435	.0496
49	.272	.0028	.0031	.0008	.0596	.1099	.0380
50	.278	.0033	.0034	.0011	.0922	.1700	.0587
51	.283	.0041	.0037	.0014	.1495	.2756	.0952
52	.289	.0035	.0036	.0013	.1629	.3002	.1037
53	.294	.0035	.0036	.0012	.1948	.3591	.1241
54	.300	.0030	.0033	.0010	.1919	.3538	.1222
55	.306	.0022	.0023	.0000	.0000	.0000	.0000
56	.311	.0011	.0015	.0000	.0000	.0000	.0000
57	.317	.0016	.0014	.0000	.0000	.0000	.0000
58	.322	.0015	.001:	.0000	.0000	.0000	.0000
59	.328	.0011	.0012	.0000	.0000	.0000	.0000
60	.333	.0010	.0011	.0000	.0000	.0000	.0000



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 15/12/55 — AV. T= 7.7 — RECORD = JHC183
HOUR = 6 — SIG.HGT. = 14.6 — UPPER HGT. = 15.9
TOTAL OF =168 — CURR. VAR. = 13.2 — LOWER HGT. = 13.3
NOISE LEVEL = .0013 — WIND SPEED = 0

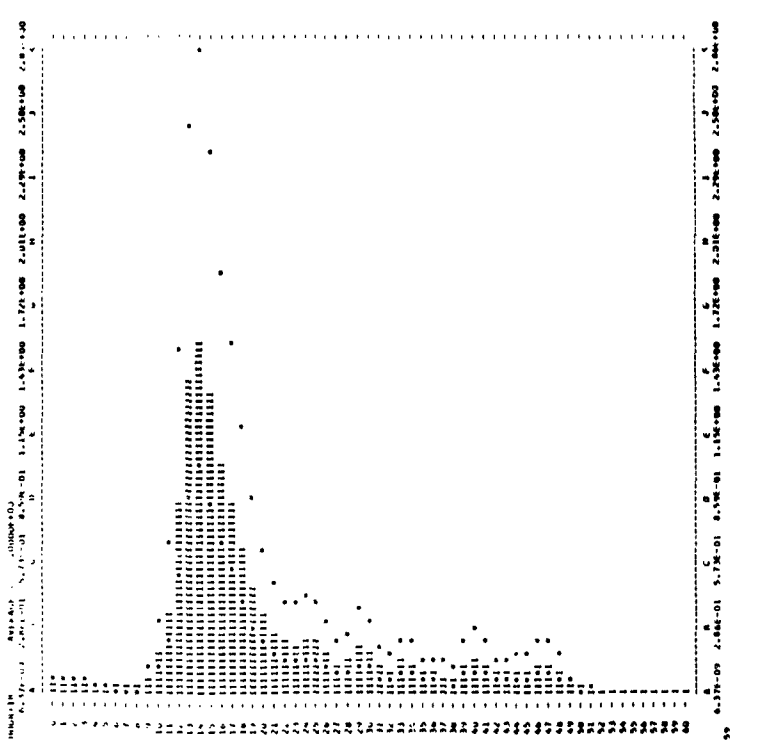
H	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0167	.0167	.0154	.0154	.0284	.0098
1	.006	.0323	.0323	.0310	.0310	.0571	.0197
2	.011	.0425	.0425	.0412	.0412	.0759	.0262
3	.017	.0255	.0255	.0242	.0242	.0445	.0154
4	.022	.0141	.0141	.0128	.0128	.0236	.0081
5	.028	.0134	.0134	.0121	.0121	.0222	.0077
6	.033	.0167	.0167	.0154	.0216	.0398	.0138
7	.039	.0124	.0124	.0111	.0152	.0281	.0097
8	.044	.0224	.0224	.0211	.0263	.0484	.0167
9	.050	.0417	.0417	.0404	.0475	.0875	.0302
10	.056	.1516	.1516	.1503	.1713	.3158	.1091
11	.061	.5384	.5384	.5371	.6064	1.1177	.3861
12	.067	1.0041	1.0041	1.0028	1.1375	2.0966	.7243
13	.072	1.4026	1.4026	1.4013	1.6181	2.9824	1.0303
14	.078	1.4420	1.4420	1.4407	1.7101	3.1519	1.0889
15	.083	.8798	.8798	.8785	1.0810	1.9924	.6883
16	.089	.4640	.4640	.4627	.5944	1.0956	.3785
17	.094	.4327	.4327	.4314	.5825	1.0737	.3709
18	.100	.3291	.3291	.3278	.4681	.8627	.2980
19	.106	.2376	.2376	.2363	.3590	.6617	.2286
20	.111	.2868	.2868	.2855	.4637	.8547	.2953
21	.117	.2563	.2563	.2550	.4469	.8200	.2833
22	.122	.1461	.1461	.1448	.2727	.5024	.1736
23	.128	.0897	.0897	.0884	.1804	.3325	.1149
24	.133	.0589	.0589	.0576	.1281	.2361	.0816
25	.139	.0595	.0595	.0582	.1417	.2611	.0902
26	.144	.0807	.0807	.0794	.2126	.3917	.1353
27	.150	.0681	.0681	.0668	.1971	.3633	.1255
28	.156	.0396	.0396	.0383	.1254	.2312	.0799
29	.161	.0320	.0320	.0307	.1119	.2062	.0712
30	.167	.0326	.0326	.0313	.1276	.2351	.0812
31	.172	.0207	.0207	.0194	.0887	.1634	.0565
32	.178	.0142	.0142	.0129	.0662	.1220	.0422
33	.183	.0167	.0167	.0154	.0896	.1650	.0572
34	.189	.0140	.0140	.0127	.0842	.1551	.0536
35	.194	.0164	.0164	.0151	.1141	.2104	.0727
36	.200	.0179	.0179	.0166	.1433	.2642	.0913
37	.206	.0128	.0128	.0115	.1138	.2097	.0724
38	.211	.0106	.0106	.0093	.1040	.1917	.0662
39	.217	.0097	.0097	.0084	.1115	.2055	.0710
40	.222	.0072	.0073	.0060	.0920	.1695	.0586
41	.228	.0049	.0051	.0038	.0687	.1267	.0438
42	.233	.0035	.0040	.0027	.0560	.1032	.0356
43	.239	.0040	.0042	.0029	.0729	.1344	.0464
44	.244	.0055	.0053	.0040	.1184	.2181	.0754
45	.250	.0063	.0060	.0047	.1636	.3012	.1041
46	.256	.0058	.0057	.0044	.1810	.3337	.1153
47	.261	.0047	.0047	.0034	.1861	.3061	.1057
48	.267	.0034	.0034	.0021	.1268	.2337	.0807
49	.272	.0022	.0023	.0010	.0725	.1336	.0462
50	.278	.0014	.0016	.0003	.0503	.0559	.0193
51	.283	.0016	.0016	.0003	.0502	.0556	.0192
52	.289	.0017	.0016	.0003	.0395	.0728	.0251
53	.294	.0014	.0014	.0001	.0133	.0245	.0085
54	.300	.0011	.0011	.0000	.0000	.0000	.0000
55	.306	.0010	.0011	.0000	.0000	.0000	.0000
56	.311	.0014	.0014	.0001	.0260	.0480	.0166
57	.317	.0016	.0015	.0002	.0790	.1457	.0503
58	.322	.0013	.0013	.0000	.0115	.0211	.0073
59	.328	.0010	.0010	.0000	.0000	.0000	.0000
60	.333	.0008	.0009	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 15/12/55 — AV. T= 8.2 — RECORD = JHC186
HOUR = 18 — SIG.HGT. = 14.4 — UPPER HGT. = 15.7
TOTAL OF =189 — CURR. VAR. = 13.0 — LOWER HGT. = 13.2
NOISE LEVEL = .0025 — WIND SPEED = 10

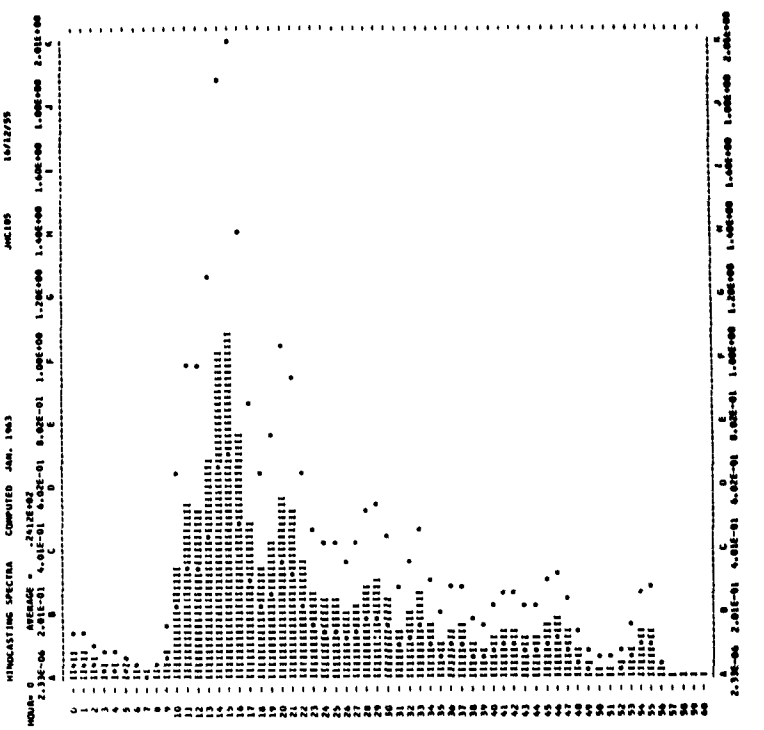
H	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0282	.0282	.0257	.0257	.0473	.0164
1	.006	.0361	.0361	.0336	.0336	.0619	.0214
2	.011	.0406	.0406	.0381	.0381	.0702	.0242
3	.017	.0268	.0268	.0243	.0243	.0448	.0155
4	.022	.0146	.0146	.0121	.0121	.0223	.0077
5	.028	.0159	.0159	.0134	.0134	.0247	.0085
6	.033	.0157	.0157	.0132	.0213	.0393	.0136
7	.039	.0135	.0135	.0110	.0151	.0278	.0096
8	.044	.0171	.0171	.0146	.0182	.0335	.0116
9	.050	.0607	.0607	.0582	.0683	.1260	.0435
10	.056	.1477	.1477	.1452	.1655	.3050	.1054
11	.061	.3180	.3180	.3157	.3540	.6524	.2256
12	.067	.7261	.7261	.7236	.8185	1.5088	.5212
13	.072	1.1890	1.1890	1.1865	1.3700	2.5252	.8724
14	.078	1.3120	1.3120	1.3095	1.5944	2.8869	.9847
15	.083	1.0648	1.0648	1.0623	1.3070	2.4091	.8328
16	.089	.7922	.7922	.7897	1.0143	1.8698	.6459
17	.094	.8282	.8282	.8257	.9622	1.5523	.5363
18	.100	.4496	.4496	.4471	.6383	1.1765	.4066
19	.106	.3075	.3075	.3050	.4634	.8540	.2950
20	.111	.2123	.2123	.2098	.3407	.6280	.2169
21	.117	.1507	.1507	.1482	.2585	.4764	.1646
22	.122	.1176	.1176	.1151	.2167	.3994	.1380
23	.128	.1086	.1086	.1061	.2125	.3916	.1353
24	.133	.1089	.1089	.1064	.2366	.4361	.1507
25	.139	.0916	.0916	.0891	.2107	.3998	.1381
26	.144	.0863	.0863	.0838	.1854	.3068	.1053
27	.150	.0446	.0446	.0421	.1242	.2290	.0791
28	.156	.0452	.0452	.0427	.1347	.2576	.0884
29	.161	.0570	.0570	.0545	.1586	.2857	.1263
30	.167	.0480	.0480	.0455	.1770	.3263	.1127
31	.172	.0251	.0251	.0226	.1031	.1900	.0658
32	.178	.0213	.0213	.0188	.0967	.1783	.0618
33	.183	.0247	.0247	.0222	.1241	.2374	.0822
34	.189	.0215	.0215	.0190	.1255	.2314	.0799
35	.194	.0134	.0134	.0109	.0920	.1512	.0522
36	.200	.0111	.0111	.0086	.0761	.1306	.0472
37	.206	.0094	.0096	.0071	.0707	.1275	.0467
38	.211	.0075	.0075	.0050	.0570	.1051	.0383
39	.217	.0114	.0114	.0089	.1174	.2172	.0750
40	.222	.0140	.0122	.0097	.1443	.2753	.0951
41	.228	.0094	.0094	.0070	.1262	.2326	.0808
42	.233	.0063	.0063	.0038	.0804	.1491	.0515
43	.239	.0056	.0056	.0029	.0728	.1342	.0464
44	.244	.0057	.0055	.0030	.0868	.1600	.0553
45	.250	.0053	.0053	.0028	.0986	.1817	.0628
46	.256	.0055	.0054	.0029	.1145	.2202	.0761
47	.261	.0055	.0051	.0026	.1267	.2336	.0807
48	.267	.0038	.0040	.0015	.0867	.1597	.0552
49	.272	.0028	.0030	.0005	.0581	.1062	.0361
50	.278	.0028	.0028	.0003	.0723	.0611	.0147
51	.283	.0027	.0026	.0001	.0113	.0208	.0072
52	.289	.0023	.0023	.0000	.0000	.0000	.0000
53	.294	.0018	.0020	.0000	.0000	.0000	.0000
54	.300	.0020	.0022	.0000	.0000	.0000	.0000
55	.306	.0031	.0029	.0004	.0024	.0004	.0003
56	.311	.0038	.0034	.0009	.0069	.0016	.0005
57	.317	.0032	.0031	.0006	.0048	.0011	.0004
58	.322	.0027	.0024	.0000	.0000	.0000	.0000
59	.328	.0020	.0021	.0000	.0000	.0000	.0000
60	.333	.0022	.0021	.0000	.0000	.0000	.0000



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 16/12/59 AV. T= 7.8 RECORD = JHC185
HOUR = 0 SIG.HGT. = 14.9 UPPER HGT. = 15.5
TOTAL DF =200 CORR. VAR. = 13.1 LOWER HGT. = 13.5
NOISE LEVEL = .0021 WIND SPEED = 15

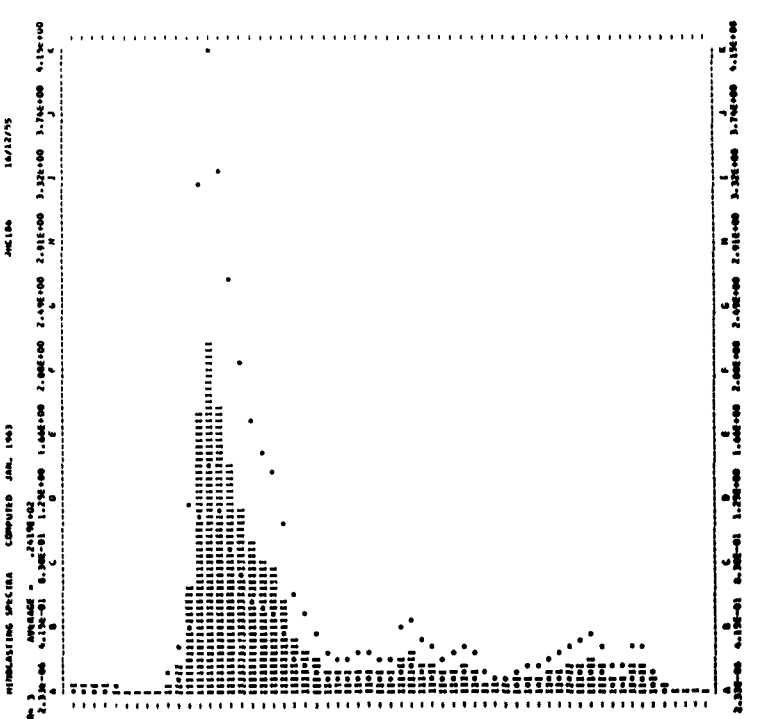
N	FRE.	UNIT=FT.2 FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0750	.0750	.0729	.1364	.0464
1	.006	.0741	.0741	.0719	.1328	.0458
2	.011	.0589	.0589	.0568	.1047	.0362
3	.017	.0441	.0441	.0428	.0774	.0268
4	.022	.0409	.0409	.0387	.0714	.0247
5	.028	.0343	.0343	.0322	.0594	.0209
6	.033	.0174	.0174	.0153	.0267	.0157
7	.039	.0131	.0131	.0110	.0191	.0278
8	.044	.0161	.0161	.0140	.0176	.0320
9	.050	.0752	.0752	.0731	.0498	.1382
10	.056	.3079	.3079	.3058	.5485	.6424
11	.061	.4751	.4751	.4730	.9341	.9843
12	.067	.4688	.4688	.4667	.5293	.9756
13	.072	.5993	.5993	.5932	.6849	1.2624
14	.078	.8669	.8669	.8647	1.0265	1.8919
15	.083	.8863	.8863	.8842	1.0879	2.0052
16	.089	.5949	.5949	.5928	.7615	1.4035
17	.094	.3516	.3516	.3495	.6719	.8698
18	.100	.2667	.2667	.2646	.5491	.6025
19	.106	.2777	.2777	.2756	.4186	.7716
20	.111	.3515	.3515	.3493	.5674	1.0457
21	.117	.2960	.2960	.2938	.5126	.9648
22	.122	.1894	.1894	.1872	.3925	.6498
23	.128	.1268	.1268	.1246	.2944	.4689
24	.133	.1066	.1066	.1045	.2325	.4285
25	.139	.0974	.0974	.0953	.2321	.4277
26	.144	.0793	.0793	.0721	.1958	.3608
27	.150	.0778	.0778	.0756	.2233	.4116
28	.156	.0891	.0891	.0870	.2846	.5245
29	.161	.0835	.0835	.0814	.2966	.5464
30	.167	.0819	.0819	.0598	.2433	.4484
31	.172	.0347	.0347	.0326	.1487	.2741
32	.178	.0393	.0393	.0372	.1915	.3529
33	.183	.0492	.0492	.0431	.2508	.4622
34	.189	.0284	.0284	.0243	.1606	.2960
35	.194	.0164	.0164	.0142	.1072	.1977
36	.200	.0195	.0195	.0174	.1502	.2768
37	.206	.0173	.0173	.0152	.1508	.2780
38	.211	.0108	.0108	.0087	.0991	.1827
39	.217	.0088	.0088	.0066	.0880	.1622
40	.222	.0101	.0099	.0078	.1201	.2213
41	.228	.0104	.0102	.0080	.1448	.2669
42	.233	.0093	.0088	.0067	.1420	.2616
43	.239	.0062	.0049	.0047	.1178	.2171
44	.244	.0058	.0062	.0041	.1211	.2233
45	.250	.0072	.0068	.0046	.1615	.2976
46	.256	.0068	.0064	.0043	.1772	.3265
47	.261	.0048	.0049	.0027	.1354	.2496
48	.267	.0031	.0034	.0013	.0750	.1383
49	.272	.0026	.0027	.0006	.0396	.0730
50	.278	.0024	.0024	.0003	.0280	.0516
51	.283	.0023	.0024	.0003	.0277	.0511
52	.289	.0025	.0025	.0003	.0424	.0782
53	.294	.0026	.0026	.0005	.0819	.1510
54	.300	.0030	.0029	.0008	.1458	.2687
55	.306	.0030	.0028	.0006	.1501	.2767
56	.311	.0021	.0022	.0001	.0209	.0386
57	.317	.0016	.0018	.0000	.0000	.0000
58	.322	.0017	.0016	.0000	.0000	.0000
59	.328	.0014	.0014	.0000	.0000	.0000
60	.333	.0011	.0012	.0000	.0000	.0000



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 16/12/59 AV. T= 7.6 RECORD = JHC186
HOUR = 3 SIG.HGT. = 16.7 UPPER HGT. = 18.3
TOTAL DF =163 CORR. VAR. = 17.5 LOWER HGT. = 15.3
NOISE LEVEL = .0036 WIND SPEED = 19

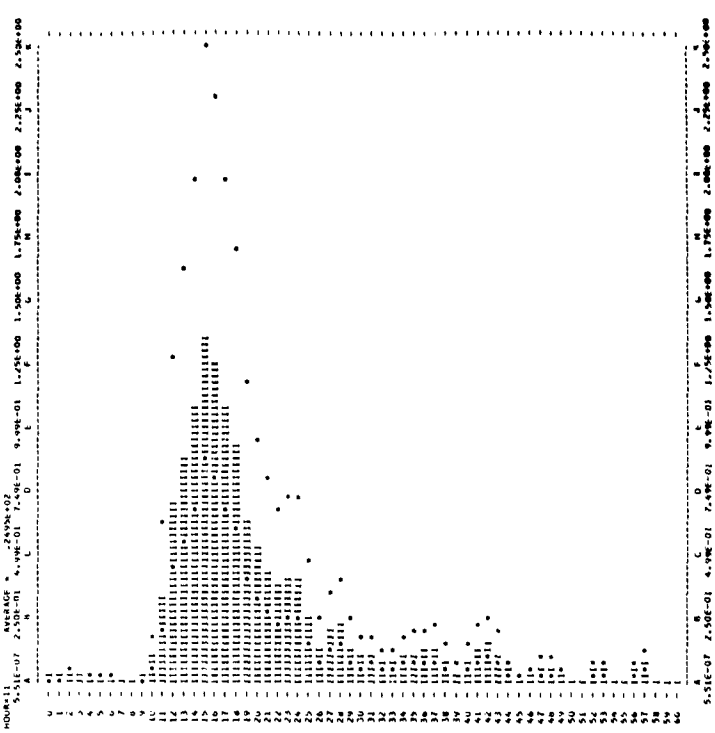
N	FRE.	UNIT=FT.2 FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0339	.0339	.0303	.0558	.0193
1	.006	.0299	.0299	.0263	.0484	.0167
2	.011	.0322	.0322	.0286	.0527	.0182
3	.017	.0360	.0360	.0324	.0597	.0206
4	.022	.0221	.0221	.0184	.0340	.0117
5	.028	.0139	.0139	.0103	.0190	.0065
6	.033	.0102	.0102	.0066	.0107	.0068
7	.039	.0107	.0107	.0071	.0098	.0180
8	.044	.0081	.0081	.0045	.0056	.0104
9	.050	.0563	.0563	.0527	.0619	.1141
10	.056	.1428	.1428	.1391	.1586	.2923
11	.061	.5746	.5746	.5710	.4447	1.1883
12	.067	1.5762	1.5762	1.5726	1.7838	3.2877
13	.072	1.9544	1.9544	1.9508	2.2525	4.1518
14	.078	1.5366	1.5366	1.5330	1.8194	3.3538
15	.083	1.1812	1.1812	1.1776	1.4489	2.6705
16	.089	.8943	.8943	.8907	1.1441	2.1087
17	.094	.7819	.7819	.6983	.9430	1.7380
18	.100	.5877	.5877	.5840	.8338	1.5369
19	.106	.5161	.5161	.5105	.7757	1.4296
20	.111	.3587	.3587	.3551	.5767	1.0630
21	.117	.1956	.1956	.1920	.3369	.6172
22	.122	.1637	.1637	.1601	.2837	.4961
23	.128	.1014	.1014	.0978	.1996	.3679
24	.133	.0610	.0610	.0574	.1276	.2351
25	.139	.0465	.0465	.0429	.1065	.1927
26	.144	.0481	.0481	.0445	.1191	.2196
27	.150	.0462	.0462	.0426	.1257	.2316
28	.156	.0451	.0451	.0415	.1358	.2503
29	.161	.0339	.0339	.0303	.1102	.2032
30	.167	.0329	.0329	.0293	.1196	.2200
31	.172	.0509	.0509	.0473	.2160	.3981
32	.178	.0505	.0505	.0468	.2414	.4449
33	.183	.0395	.0395	.0359	.1897	.3626
34	.189	.0273	.0273	.0237	.1569	.2891
35	.194	.0188	.0188	.0152	.1144	.2108
36	.200	.0183	.0183	.0147	.1267	.2336
37	.206	.0282	.0282	.0186	.1649	.3031
38	.211	.0169	.0169	.0109	.1242	.2289
39	.217	.0082	.0082	.0064	.0614	.1133
40	.222	.0099	.0099	.0023	.0395	.0695
41	.228	.0094	.0098	.0021	.0385	.0709
42	.233	.0078	.0086	.0030	.0623	.1149
43	.239	.0068	.0086	.0032	.0907	.1671
44	.244	.0069	.0089	.0033	.0972	.1791
45	.250	.0071	.0078	.0034	.1189	.2191
46	.256	.0078	.0086	.0033	.1391	.2491
47	.261	.0084	.0084	.0030	.1478	.2724
48	.267	.0084	.0084	.0030	.1781	.3282
49	.272	.0088	.0085	.0028	.2057	.3791
50	.278	.0098	.0098	.0019	.1636	.3015
51	.283	.0090	.0090	.0000	.0000	.0000
52	.289	.0090	.0090	.0000	.0000	.0000
53	.294	.0090	.0090	.0000	.0000	.0000
54	.300	.0090	.0090	.0000	.0000	.0000
55	.306	.0037	.0090	.0000	.0000	.0000
56	.311	.0037	.0037	.0000	.0000	.0000
57	.317	.0090	.0090	.0000	.0000	.0000
58	.322	.0027	.0090	.0000	.0000	.0000
59	.328	.0082	.0082	.0000	.0000	.0000
60	.333	.0082	.0082	.0000	.0000	.0000



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 10/12/55 AV. Tw = 8.1 RECORD = JMC187
HOUR = 11 SIG.HGT. = 14.5 UPPER HGT. = 14.8
TOTAL DF =182 CURR. VAR. = 13.2 LOWER HGT. = 13.3
NOISE LEVEL = .0020 WIND SPEED = 10

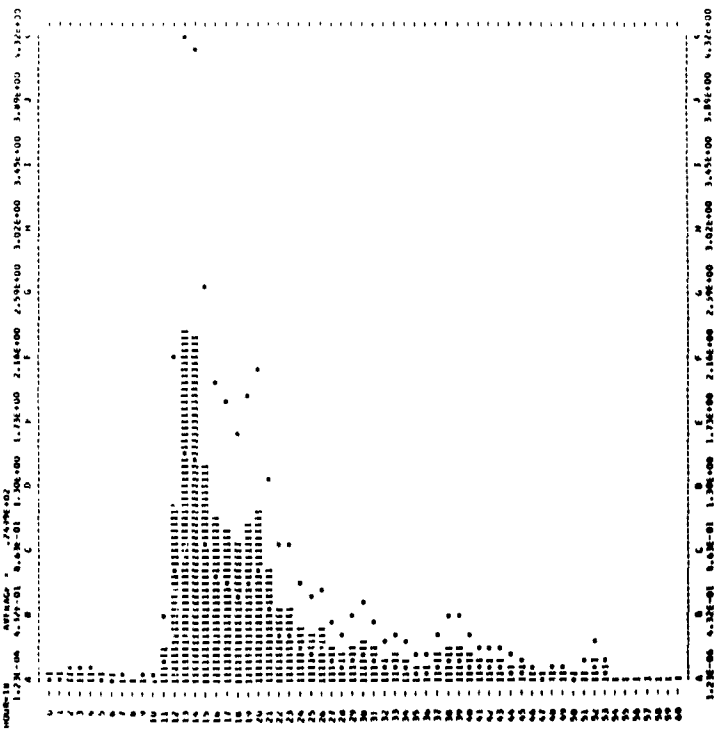
M	FRE.	UNIT*FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0184	.0184	.0184	.0184	.0265	.0092
1	.006	.0184	.0184	.0184	.0184	.0302	.0104
2	.011	.0229	.0229	.0209	.0209	.0305	.0133
3	.017	.0218	.0218	.0199	.0199	.0284	.0126
4	.022	.0129	.0129	.0109	.0109	.0201	.0069
5	.028	.0090	.0090	.0070	.0070	.0129	.0045
6	.033	.0089	.0089	.0069	.0112	.0206	.0071
7	.039	.0059	.0059	.0039	.0054	.0099	.0034
8	.044	.0044	.0044	.0025	.0031	.0058	.0019
9	.050	.0157	.0157	.0137	.0161	.0297	.0102
10	.056	.0820	.0820	.0800	.0912	.1680	.0580
11	.061	.2167	.2167	.2967	.3327	.6132	.2118
12	.067	.6119	.6119	.6100	.6919	1.2752	.4405
13	.072	.7621	.7621	.7601	.8777	1.6177	.5588
14	.078	.9078	.9078	.9059	1.0783	1.9819	.6847
15	.083	1.1030	1.1030	1.1010	1.3547	2.4969	.8626
16	.089	.9725	.9725	.9705	1.2484	2.2977	.7938
17	.094	.7974	.7974	.7954	1.0741	1.9798	.6839
18	.100	.6494	.6494	.6475	.8244	1.7038	.5886
19	.106	.4197	.4197	.4177	.6396	1.1896	.4041
20	.111	.3208	.3208	.3188	.5178	.9543	.3297
21	.117	.2479	.2479	.2459	.4290	.7907	.2732
22	.122	.1960	.1960	.1940	.3693	.6734	.2326
23	.128	.1973	.1973	.1954	.3908	.7351	.2539
24	.133	.1771	.1771	.1751	.3896	.7178	.2480
25	.139	.1056	.1056	.1036	.2523	.4650	.1607
26	.144	.0506	.0506	.0486	.1301	.2397	.0828
27	.150	.0669	.0669	.0649	.1915	.3530	.1220
28	.156	.0686	.0686	.0666	.2179	.4016	.1387
29	.161	.0381	.0381	.0361	.1315	.2423	.0837
30	.167	.0248	.0248	.0229	.0931	.1716	.0593
31	.172	.0235	.0235	.0216	.0984	.1814	.0626
32	.178	.0162	.0162	.0142	.0733	.1350	.0466
33	.183	.0139	.0139	.0119	.0695	.1281	.0442
34	.189	.0171	.0171	.0151	.1000	.1843	.0637
35	.194	.0161	.0161	.0141	.1087	.1966	.0679
36	.200	.0153	.0153	.0133	.1146	.2117	.0730
37	.206	.0144	.0144	.0124	.1229	.2266	.0783
38	.211	.0087	.0087	.0067	.0771	.1421	.0491
39	.217	.0048	.0048	.0028	.0367	.0677	.0234
40	.222	.0070	.0072	.0052	.0805	.1483	.0512
41	.228	.0100	.0090	.0070	.1258	.2319	.0801
42	.233	.0089	.0085	.0065	.1380	.2544	.0879
43	.239	.0046	.0061	.0042	.1033	.1904	.0658
44	.244	.0040	.0035	.0015	.0438	.0808	.0279
45	.250	.0016	.0022	.0002	.0080	.0147	.0051
46	.256	.0027	.0025	.0005	.0225	.0414	.0143
47	.261	.0031	.0030	.0010	.0506	.0933	.0322
48	.267	.0041	.0029	.0010	.0569	.1048	.0362
49	.272	.0025	.0024	.0004	.0298	.0549	.0190
50	.278	.0016	.0019	.0000	.0000	.0000	.0000
51	.283	.0014	.0019	.0000	.0000	.0000	.0000
52	.289	.0025	.0023	.0003	.0387	.0714	.0247
53	.294	.0023	.0023	.0003	.0434	.0803	.0277
54	.300	.0019	.0020	.0000	.0000	.0000	.0000
55	.306	.0019	.0019	.0000	.0000	.0000	.0000
56	.311	.0022	.0021	.0001	.0424	.0782	.0270
57	.317	.0023	.0022	.0002	.0727	.1341	.0463
58	.322	.0019	.0019	.0000	.0000	.0000	.0000
59	.328	.0017	.0017	.0000	.0000	.0000	.0000
60	.333	.0014	.0015	.0000	.0000	.0000	.0000



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 10/12/55 AV. Tw = 8.1 RECORD = JMC188
HOUR = 18 SIG.HGT. = 17.5 UPPER HGT. = 19.1
TOTAL DF =169 CURR. VAR. = 14.1 LOWER HGT. = 16.0
NOISE LEVEL = .0025 WIND SPEED = 10

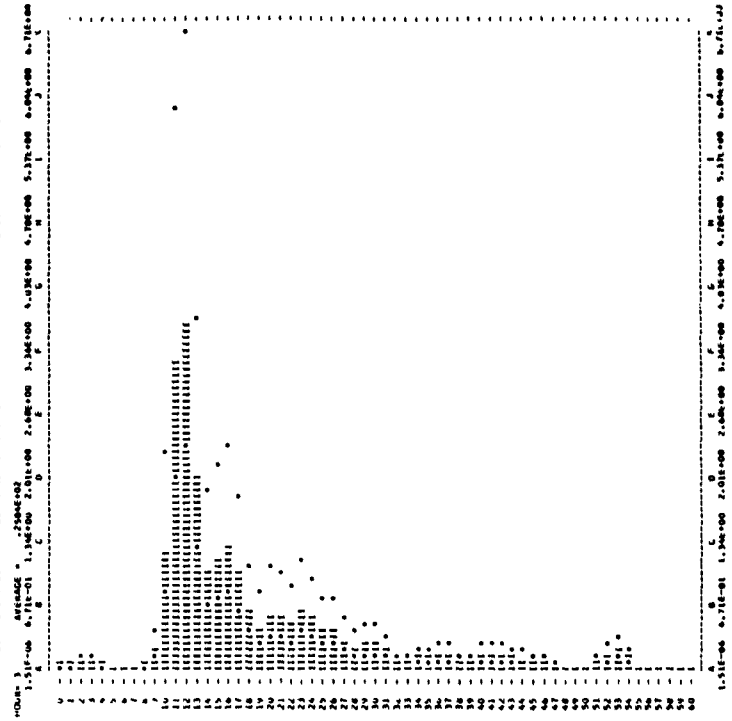
M	FRE.	UNIT*FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0330	.0330	.0305	.0305	.0562	.0196
1	.006	.0361	.0361	.0336	.0336	.0619	.0214
2	.011	.0488	.0488	.0463	.0463	.0853	.0295
3	.017	.0524	.0524	.0499	.0499	.0920	.0318
4	.022	.0418	.0418	.0393	.0393	.0724	.0250
5	.028	.0290	.0290	.0265	.0265	.0488	.0169
6	.033	.0172	.0172	.0147	.0237	.0437	.0151
7	.039	.0123	.0123	.0098	.0134	.0246	.0086
8	.044	.0116	.0115	.0091	.0113	.0208	.0072
9	.050	.0149	.0149	.0124	.0146	.0269	.0093
10	.056	.0159	.0159	.0134	.0152	.0281	.0097
11	.061	.2051	.2051	.2028	.2290	.4221	.1458
12	.067	1.0408	1.0408	1.0383	1.1778	2.1708	.7499
13	.072	2.0309	2.0309	2.0284	2.3422	4.3171	1.4914
14	.078	1.9262	1.9262	1.9237	2.4858	4.2131	1.4555
15	.083	1.1706	1.1706	1.1681	1.6372	2.6490	.9151
16	.089	.8364	.8364	.8339	1.0712	1.9764	.6821
17	.094	.7426	.7426	.7401	.9995	1.8421	.6364
18	.100	.6298	.6298	.6273	.8956	1.6508	.5703
19	.106	.6857	.6857	.6832	1.0380	1.9133	.6610
20	.111	.6943	.6943	.6918	1.1235	2.0709	.7154
21	.117	.4148	.4148	.4123	.7193	1.3257	.4580
22	.122	.2588	.2588	.2563	.4826	.8896	.3073
23	.128	.2456	.2456	.2431	.4963	.9147	.3160
24	.133	.1553	.1553	.1528	.3400	.6266	.2165
25	.139	.1273	.1273	.1248	.3039	.5601	.1935
26	.144	.1253	.1253	.1228	.3287	.6058	.2093
27	.150	.0764	.0764	.0739	.2182	.4021	.1389
28	.156	.0522	.0522	.0497	.1625	.2995	.1035
29	.161	.0670	.0670	.0645	.2349	.4330	.1496
30	.167	.0693	.0693	.0668	.2721	.5015	.1732
31	.172	.0478	.0478	.0453	.2049	.3813	.1317
32	.178	.0307	.0307	.0282	.1432	.2676	.0925
33	.183	.0290	.0290	.0265	.1542	.2842	.0982
34	.189	.0243	.0243	.0218	.1439	.2652	.0916
35	.194	.0146	.0146	.0121	.0909	.1676	.0579
36	.200	.0136	.0136	.0111	.0961	.1771	.0612
37	.206	.0190	.0190	.0165	.1634	.3014	.1042
38	.211	.0226	.0226	.0201	.2301	.4242	.1465
39	.217	.0200	.0200	.0175	.2324	.4283	.1480
40	.222	.0118	.0127	.0102	.1974	.2911	.1006
41	.228	.0074	.0087	.0062	.1117	.2060	.0712
42	.233	.0082	.0079	.0054	.1142	.2104	.0727
43	.239	.0078	.0074	.0049	.1207	.2225	.0769
44	.244	.0057	.0059	.0034	.0984	.1814	.0627
45	.250	.0043	.0044	.0019	.0654	.1206	.0416
46	.256	.0032	.0034	.0009	.0358	.0659	.0228
47	.261	.0027	.0030	.0005	.0248	.0453	.0156
48	.267	.0034	.0033	.0008	.0472	.0871	.0301
49	.272	.0037	.0033	.0008	.0566	.1043	.0360
50	.278	.0024	.0028	.0003	.0299	.0551	.0190
51	.283	.0029	.0031	.0006	.0842	.1183	.0409
52	.289	.0042	.0035	.0010	.1342	.2474	.0855
53	.294	.0029	.0030	.0005	.0728	.1341	.0463
54	.300	.0019	.0022	.0000	.0000	.0000	.0000
55	.306	.0023	.0021	.0000	.0000	.0000	.0000
56	.311	.0027	.0025	.0000	.0000	.0000	.0000
57	.317	.0021	.0021	.0000	.0000	.0000	.0000
58	.322	.0016	.0017	.0000	.0000	.0000	.0000
59	.328	.0021	.0021	.0000	.0000	.0000	.0000
60	.333	.0024	.0024	.0000	.0000	.0000	.0000



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 17/12/55 AV. T= 8.8 RECORD = JHC189
HOUR = 3 SIG.HGT. = 10.2 UPPER HGT. = 21.1
TOTAL OF =162 CORR. VAL. = 23.0 LOWER HGT. = 17.6
NOISE LEVEL = .0020 WIND SPEED = 15

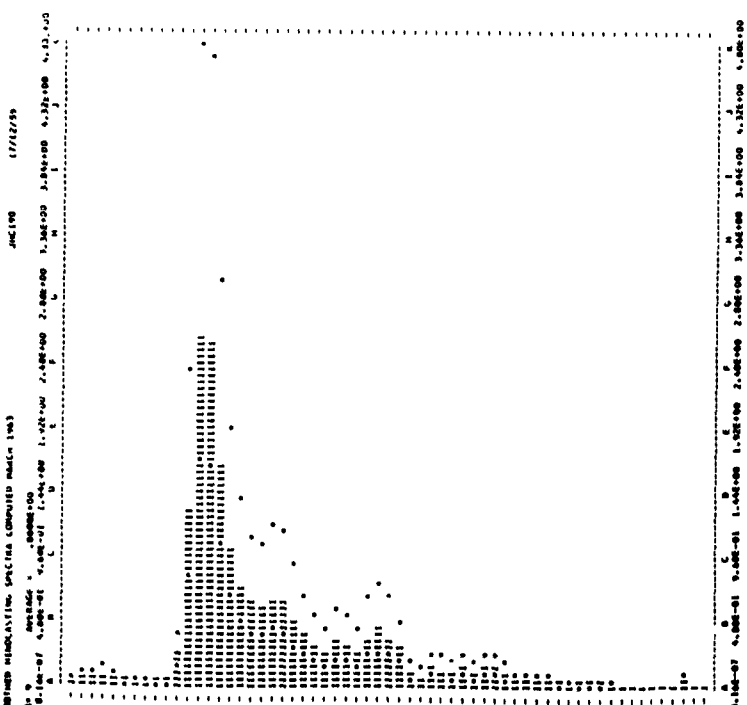
H	FRE. UNIT=FT.2	FILTERED -NOISE		CORR.FT.2	UPPER	LOWER
0	.000	.0305	.0305	.0365	.0369	.0472	.0232
1	.006	.0426	.0426	.0406	.0406	.0760	.0259
2	.011	.0636	.0636	.0616	.0616	.1131	.0391
3	.017	.0692	.0692	.0672	.0672	.1234	.0428
4	.022	.0613	.0613	.0593	.0593	.0726	.0298
5	.028	.0141	.0141	.0121	.0121	.0223	.0077
6	.033	.0099	.0099	.0079	.0127	.0235	.0081
7	.039	.0040	.0040	.0020	.0040	.0073	.0025
8	.044	.0190	.0190	.0339	.0422	.0778	.0269
9	.050	.1995	.1995	.1975	.2319	.4275	.1477
10	.056	1.0816	1.0816	1.0796	1.2306	2.2682	.7836
11	.061	2.8472	2.8472	2.8451	3.2129	5.9210	2.0469
12	.067	3.2125	3.2125	3.2105	3.6417	6.7121	2.3198
13	.072	1.7259	1.7259	1.7239	1.9984	3.6684	1.2678
14	.078	.8529	.8529	.8509	1.0100	1.8616	.6431
15	.083	.9532	.9532	.9511	1.1703	2.1578	.7652
16	.089	1.0041	1.0041	1.0021	1.2671	2.3326	.8196
17	.094	.7350	.7350	.7329	.9098	1.6243	.6382
18	.100	.4186	.4186	.4166	.5967	1.0962	.3787
19	.106	.2791	.2791	.2771	.4210	.7759	.2681
20	.111	.3496	.3496	.3476	.5665	1.0404	.3594
21	.117	.3200	.3200	.3179	.5544	1.0223	.3532
22	.122	.2588	.2588	.2568	.4685	.8634	.2983
23	.128	.3006	.3006	.2986	.6095	1.1234	.3881
24	.133	.2302	.2302	.2281	.5076	.9353	.3231
25	.139	.1709	.1709	.1688	.4110	.7578	.2617
26	.144	.1575	.1575	.1555	.4162	.7671	.2650
27	.150	.1005	.1005	.0985	.2907	.5359	.1851
28	.156	.0677	.0677	.0657	.2149	.3961	.1368
29	.161	.0701	.0701	.0681	.2480	.4571	.1579
30	.167	.0659	.0659	.0639	.2602	.4795	.1657
31	.172	.0394	.0394	.0374	.1705	.3143	.1086
32	.178	.0166	.0166	.0146	.0751	.1383	.0478
33	.183	.0156	.0156	.0136	.0790	.1457	.0503
34	.189	.0188	.0188	.0168	.1111	.2048	.0708
35	.194	.0171	.0171	.0151	.1135	.2091	.0722
36	.200	.0177	.0177	.0157	.1356	.2499	.0863
37	.206	.0157	.0157	.0136	.1392	.2492	.0861
38	.211	.0093	.0093	.0073	.0830	.1530	.0528
39	.217	.0088	.0088	.0067	.0893	.1646	.0569
40	.222	.0123	.0110	.0090	.1385	.2553	.0882
41	.228	.0108	.0106	.0085	.1538	.2835	.0979
42	.233	.0085	.0087	.0066	.1400	.2580	.0891
43	.239	.0069	.0068	.0047	.1177	.2170	.0750
44	.244	.0048	.0052	.0031	.0919	.1693	.0585
45	.250	.0042	.0042	.0021	.0736	.1356	.0469
46	.256	.0034	.0034	.0013	.0553	.1019	.0352
47	.261	.0024	.0026	.0006	.0278	.0512	.0177
48	.267	.0021	.0022	.0002	.0102	.0189	.0065
49	.272	.0022	.0021	.0000	.0036	.0066	.0023
50	.278	.0019	.0021	.0001	.0094	.0174	.0060
51	.283	.0026	.0027	.0006	.0682	.1256	.0435
52	.289	.0036	.0033	.0012	.1573	.2900	.1002
53	.294	.0033	.0032	.0012	.1833	.3379	.1167
54	.300	.0027	.0027	.0006	.1208	.2226	.0769
55	.306	.0020	.0020	.0000	.0000	.0000	.0000
56	.311	.0015	.0015	.0000	.0000	.0000	.0000
57	.317	.0013	.0012	.0000	.0000	.0000	.0000
58	.322	.0009	.0011	.0000	.0000	.0000	.0000
59	.328	.0012	.0011	.0000	.0000	.0000	.0000
60	.333	.0016	.0014	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 17/12/55 AV. T= 8.8 RECORD = JHC190
HOUR = 9 SIG.HGT. = 17.0 UPPER HGT. = 18.7
TOTAL OF =147 CORR. VAR. = 10.1 LOWER HGT. = 15.5
NOISE LEVEL = .0024 WIND SPEED = 0

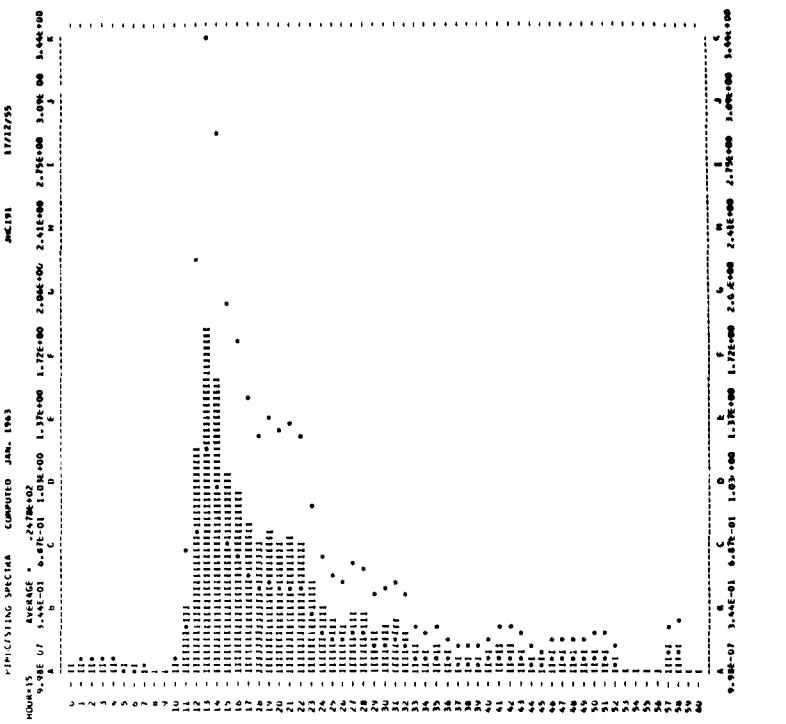
H	FRE. UNIT=FT.2	FILTERED -NOISE		CORR.FT.2	UPPER	LOWER
0	.000	.0211	.0211	.0187	.0187	.0345	.0119
1	.006	.0428	.0428	.0404	.0404	.0745	.0257
2	.011	.0673	.0673	.0649	.0649	.1196	.0413
3	.017	.0707	.0707	.0683	.0683	.1259	.0435
4	.022	.0657	.0657	.0633	.0633	.1167	.0403
5	.028	.0393	.0393	.0369	.0369	.0680	.0235
6	.033	.0158	.0158	.0134	.0217	.0399	.0138
7	.039	.0135	.0135	.0111	.0153	.0281	.0097
8	.044	.0227	.0227	.0203	.0253	.0466	.0161
9	.050	.0286	.0286	.0262	.0308	.0567	.0196
10	.056	.1959	.1959	.1935	.2206	.4065	.1404
11	.061	1.1362	1.1362	1.1318	1.2779	2.3556	.8137
12	.067	2.2478	2.2478	2.2454	2.6037	4.7990	1.6579
13	.072	2.2220	2.2220	2.2196	2.5838	4.7239	1.6319
14	.078	1.3801	1.3801	1.3777	1.6353	3.0142	1.0413
15	.083	.8389	.8389	.8365	1.0292	1.8978	.6556
16	.089	.5812	.5812	.5788	.7439	1.3703	.4736
17	.094	.4476	.4476	.4452	.6012	1.1081	.3828
18	.100	.4021	.4021	.3997	.5707	1.0518	.3634
19	.106	.4263	.4263	.4219	.6410	1.1814	.4081
20	.111	.3934	.3934	.3910	.6390	1.1704	.4043
21	.117	.2823	.2821	.2799	.4883	.8998	.3109
22	.122	.1959	.1959	.1935	.3643	.6715	.2320
23	.128	.1375	.1375	.1351	.2758	.5084	.1756
24	.133	.1128	.1128	.1104	.2456	.4526	.1564
25	.139	.1343	.1343	.1319	.3212	.5920	.2045
26	.144	.1119	.1119	.1095	.2931	.5402	.1866
27	.150	.0838	.0838	.0814	.2401	.4427	.1530
28	.156	.1123	.1123	.1099	.3596	.6629	.2290
29	.161	.1148	.1148	.1124	.4093	.7546	.2606
30	.167	.0899	.0899	.0875	.3562	.6566	.2268
31	.172	.0613	.0613	.0589	.2689	.4956	.1712
32	.178	.0263	.0263	.0219	.1228	.2078	.0718
33	.183	.0139	.0139	.0115	.0649	.1233	.0426
34	.189	.0217	.0217	.0193	.1278	.2353	.0813
35	.194	.0183	.0183	.0159	.1199	.2209	.0763
36	.200	.0146	.0146	.0122	.1053	.1941	.0671
37	.206	.0148	.0148	.0126	.1130	.2067	.0705
38	.211	.0120	.0120	.0096	.1094	.2025	.0709
39	.217	.0116	.0116	.0092	.1221	.2250	.0777
40	.222	.0116	.0107	.0083	.1206	.2367	.0818
41	.228	.0081	.0082	.0058	.1065	.1925	.0665
42	.233	.0058	.0055	.0031	.0649	.1198	.0413
43	.239	.0038	.0041	.0017	.0422	.0778	.0269
44	.244	.0038	.0039	.0015	.0440	.0812	.0280
45	.250	.0042	.0038	.0014	.0498	.0918	.0318
46	.256	.0031	.0032	.0008	.0342	.0630	.0218
47	.261	.0025	.0028	.0004	.0211	.0388	.0134
48	.267	.0032	.0029	.0005	.0327	.0603	.0208
49	.272	.0029	.0029	.0005	.0376	.0692	.0239
50	.278	.0027	.0028	.0004	.0346	.0638	.0221
51	.283	.0029	.0026	.0002	.0237	.0436	.0151
52	.289	.0020	.0022	.0000	.0000	.0000	.0000
53	.294	.0018	.0019	.0000	.0000	.0000	.0000
54	.300	.0020	.0019	.0000	.0000	.0000	.0000
55	.306	.0018	.0019	.0000	.0000	.0000	.0000
56	.311	.0021	.0020	.0000	.0000	.0000	.0000
57	.317	.0021	.0021	.0000	.0000	.0000	.0000
58	.322	.0025	.0025	.0001	.0000	.0000	.0000
59	.328	.0033	.0032	.0008	.0000	.0000	.0015
60	.333	.0039	.0036	.0012	.0012	.0022	.0000



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 17/12/55 AV. T= 7.5 RECORD = JHC191
HOUR = 15 SIG.HGT. = 16.4 UPPER HGT. = 17.8
TOTAL OF =202 CORR. VAR. = 14.8 LOWER HGT. = 15.1
NOISE LEVEL = .0024 WIND SPEED = 5

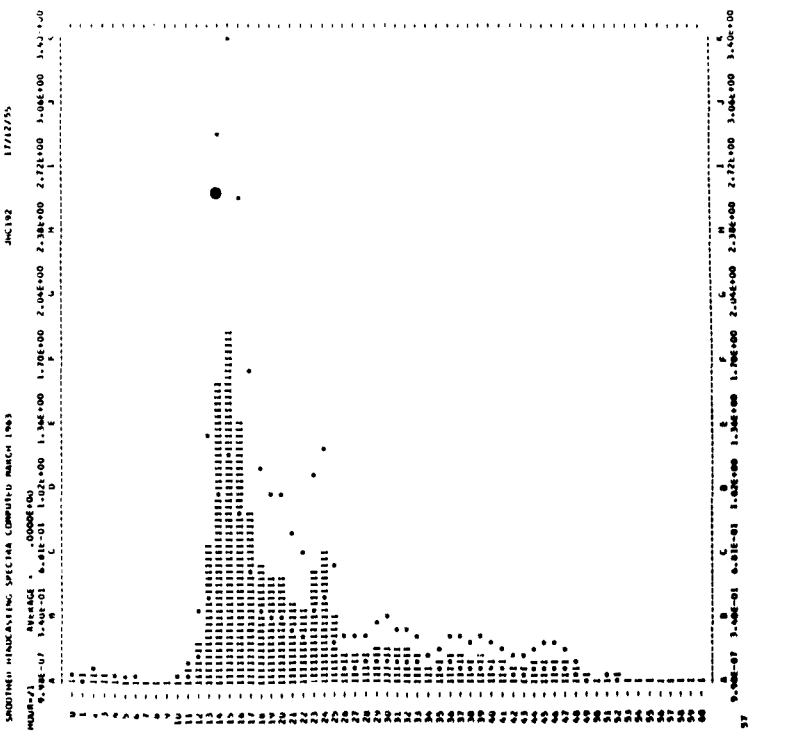
M	FRE.	UNIT-FT.2 FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0300	.0300	.0275	.0275	.0507	.0135
1	.006	.0385	.0385	.0361	.0361	.0665	.0230
2	.011	.0413	.0413	.0389	.0389	.0716	.0247
3	.017	.0376	.0376	.0351	.0351	.0648	.0224
4	.022	.0319	.0319	.0296	.0294	.0543	.0187
5	.028	.0212	.0212	.0187	.0187	.0345	.0119
6	.033	.0167	.0167	.0142	.0230	.0424	.0146
7	.039	.0143	.0143	.0119	.0163	.0300	.0104
8	.044	.0096	.0096	.0070	.0087	.0160	.0059
9	.050	.0104	.0104	.0079	.0093	.0172	.0059
10	.056	.0289	.0289	.0265	.0302	.0557	.0192
11	.061	.3141	.3141	.3117	.3619	.6686	.2241
12	.067	1.0651	1.0651	1.0627	1.2094	2.2217	.7675
13	.072	1.6170	1.6170	1.6145	1.8643	3.4362	1.1871
14	.078	1.3307	1.3307	1.3283	1.5767	2.9061	1.0039
15	.083	.8784	.8784	.8760	1.0778	1.9865	.6863
16	.089	.7610	.7610	.7586	.9744	1.7959	.6204
17	.094	.5946	.5946	.5921	.7994	1.4738	.5091
18	.100	.4915	.4915	.4891	.6983	1.2870	.4446
19	.106	.4952	.4952	.4927	.7486	1.3798	.4767
20	.111	.4332	.4332	.4307	.6999	1.2893	.4454
21	.117	.4196	.4196	.4172	.7277	1.3413	.4634
22	.122	.3695	.3695	.3670	.6911	1.2737	.4400
23	.128	.2397	.2397	.2373	.4844	.8928	.3084
24	.133	.1515	.1515	.1490	.3315	.6110	.2111
25	.139	.1148	.1148	.1121	.2750	.5033	.1739
26	.144	.0989	.0989	.0961	.2571	.4738	.1637
27	.150	.1091	.1091	.1066	.3148	.5802	.2004
28	.156	.0957	.0957	.0932	.3051	.5623	.1943
29	.161	.0836	.0836	.0812	.2228	.4107	.1419
30	.167	.0599	.0599	.0575	.2340	.4313	.1490
31	.172	.0607	.0607	.0583	.2661	.4904	.1694
32	.178	.0496	.0496	.0429	.2211	.4075	.1408
33	.183	.0252	.0252	.0227	.1323	.2439	.0843
34	.189	.0180	.0180	.0155	.1027	.1892	.0654
35	.194	.0185	.0185	.0161	.1212	.2234	.0772
36	.200	.0139	.0139	.0115	.0989	.1823	.0630
37	.206	.0095	.0095	.0071	.0702	.1294	.0447
38	.211	.0089	.0089	.0064	.0736	.1356	.0468
39	.217	.0082	.0082	.0057	.0758	.1397	.0483
40	.222	.0090	.0090	.0065	.1004	.1850	.0639
41	.228	.0094	.0094	.0070	.1253	.2310	.0798
42	.233	.0086	.0086	.0061	.1297	.2390	.0826
43	.239	.0066	.0066	.0042	.1042	.1921	.0664
44	.244	.0069	.0069	.0024	.0710	.1310	.0452
45	.250	.0069	.0069	.0019	.0644	.1188	.0410
46	.256	.0068	.0045	.0021	.0868	.1600	.0553
47	.261	.0045	.0046	.0020	.0975	.1798	.0621
48	.267	.0037	.0040	.0016	.0928	.1710	.0591
49	.272	.0040	.0038	.0014	.1001	.1845	.0637
50	.278	.0036	.0037	.0013	.1103	.2032	.0702
51	.283	.0036	.0035	.0011	.1146	.2113	.0730
52	.289	.0033	.0030	.0005	.0691	.1273	.0440
53	.294	.0018	.0021	.0000	.0000	.0000	.0000
54	.300	.0016	.0017	.0000	.0000	.0000	.0000
55	.306	.0021	.0020	.0000	.0000	.0000	.0000
56	.311	.0023	.0024	.0000	.0000	.0000	.0000
57	.317	.0030	.0028	.0004	.1362	.2511	.0867
58	.322	.0030	.0028	.0003	.1472	.2714	.0938
59	.328	.0021	.0022	.0000	.0000	.0000	.0000
60	.333	.0016	.0019	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPELTRA COMPUTED MARCH 1963

DATE = 17/12/55 AV. T= 7.9 RECORD = JHC192
HOUR = 21 SIG.HGT. = 14.8 UPPER HGT. = 16.2
TOTAL OF =199 CORR. VAR. = 13.6 LOWER HGT. = 13.5
NOISE LEVEL = .0020 WIND SPEED = 5

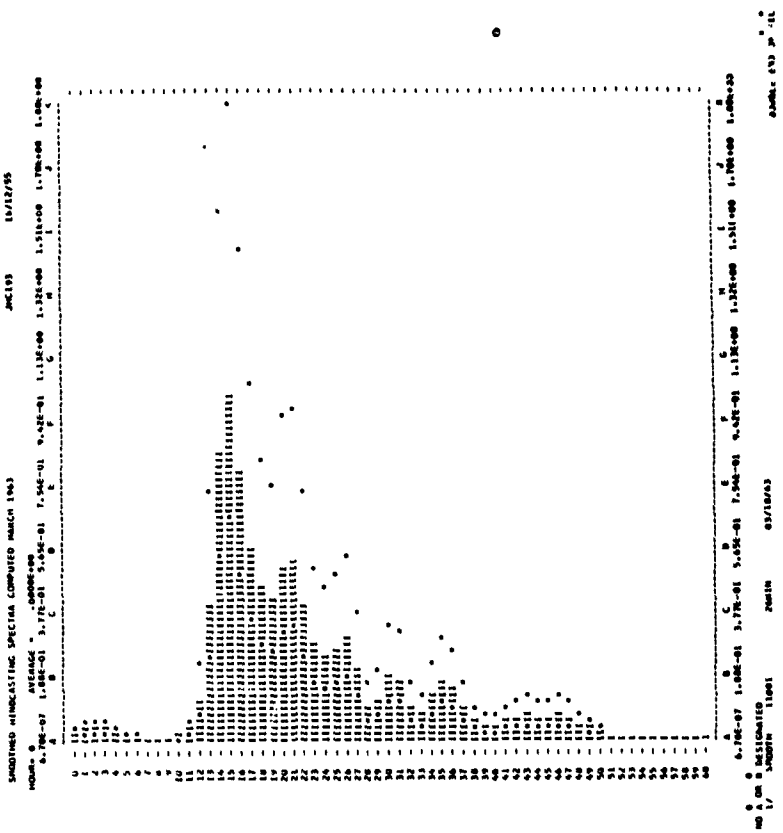
M	FRE.	UNIT-FT.2 FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0132	.0132	.0112	.0112	.0204	.0071
1	.006	.0201	.0201	.0181	.0181	.0333	.0115
2	.011	.0329	.0329	.0309	.0309	.0569	.0197
3	.017	.0292	.0292	.0272	.0272	.0501	.0173
4	.022	.0164	.0164	.0144	.0144	.0265	.0092
5	.028	.0133	.0133	.0113	.0113	.0208	.0072
6	.033	.0099	.0099	.0079	.0127	.0235	.0081
7	.039	.0071	.0071	.0051	.0070	.0129	.0044
8	.044	.0058	.0058	.0038	.0047	.0087	.0030
9	.050	.0088	.0088	.0068	.0080	.0147	.0051
10	.056	.0136	.0136	.0116	.0132	.0243	.0084
11	.061	.0509	.0509	.0489	.0552	.1017	.0351
12	.067	.1757	.1757	.1737	.1970	.3631	.1256
13	.072	.6095	.6095	.6075	.7015	1.2929	.4466
14	.078	1.3181	1.3181	1.3161	1.5622	2.8793	.9947
15	.083	1.5030	1.5030	1.5010	1.8668	3.4039	1.1759
16	.089	1.0752	1.0752	1.0732	1.3785	2.5408	.8777
17	.094	.6640	.6640	.6620	.8939	1.6477	.5692
18	.100	.4265	.4265	.4245	.6060	1.1170	.3859
19	.106	.3562	.3562	.3542	.5381	.9918	.3426
20	.111	.3299	.3299	.3279	.5325	.9815	.3391
21	.117	.2449	.2449	.2429	.4237	.7809	.2698
22	.122	.1954	.1954	.1934	.3641	.6711	.2318
23	.128	.2905	.2905	.2885	.5849	1.0855	.3750
24	.133	.3025	.3025	.3005	.6684	1.2319	.4256
25	.139	.1356	.1356	.1336	.3253	.5995	.2071
26	.144	.0481	.0481	.0461	.1233	.2273	.0785
27	.150	.0428	.0428	.0408	.1204	.2219	.0767
28	.156	.0429	.0429	.0409	.1338	.2466	.0852
29	.161	.0500	.0500	.0480	.1767	.3220	.1112
30	.167	.0475	.0475	.0455	.1852	.3413	.1179
31	.172	.0363	.0363	.0343	.1565	.2885	.0997
32	.178	.0323	.0323	.0303	.1559	.2874	.0993
33	.183	.0256	.0256	.0236	.1372	.2529	.0874
34	.189	.0144	.0144	.0124	.0819	.1509	.0521
35	.194	.0145	.0145	.0125	.0941	.1734	.0599
36	.200	.0178	.0178	.0158	.1362	.2511	.0868
37	.206	.0151	.0151	.0131	.1297	.2391	.0826
38	.211	.0121	.0121	.0101	.1154	.2127	.0735
39	.217	.0119	.0119	.0099	.1311	.2416	.0835
40	.222	.0100	.0096	.0076	.1173	.2162	.0747
41	.228	.0066	.0070	.0050	.0847	.1845	.0588
42	.233	.0047	.0053	.0033	.0692	.1276	.0441
43	.239	.0042	.0051	.0031	.0771	.1421	.0491
44	.244	.0054	.0053	.0033	.0963	.1774	.0613
45	.250	.0052	.0052	.0032	.1098	.2024	.0699
46	.256	.0049	.0047	.0027	.1111	.2047	.0707
47	.261	.0038	.0038	.0018	.0907	.1671	.0577
48	.267	.0029	.0030	.0010	.0568	.1047	.0362
49	.272	.0023	.0024	.0004	.0259	.0468	.0162
50	.278	.0022	.0021	.0001	.0091	.0168	.0058
51	.283	.0022	.0022	.0002	.0163	.0300	.0104
52	.289	.0023	.0022	.0002	.0199	.0366	.0126
53	.294	.0019	.0019	.0000	.0000	.0000	.0000
54	.300	.0016	.0016	.0000	.0000	.0000	.0000
55	.306	.0016	.0016	.0000	.0000	.0000	.0000
56	.311	.0018	.0018	.0000	.0000	.0000	.0000
57	.317	.0020	.0020	.0000	.0000	.0001	.0000
58	.322	.0024	.0023	.0003	.0003	.0005	.0002
59	.328	.0024	.0023	.0003	.0003	.0006	.0002
60	.333	.0022	.0023	.0003	.0003	.0005	.0002



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1983

DATE = 10/12/55 AV. T= 7.7 RECORD = JHC193
HOUR = 0 SIG.HGT. = 12.5 UPPER HGT. = 19.3
TOTAL DP =198 CORR. VAR. = 9.5 LOWER HGT. = 11.3
NOISE LEVEL = .0010 WIND SPEED = 10

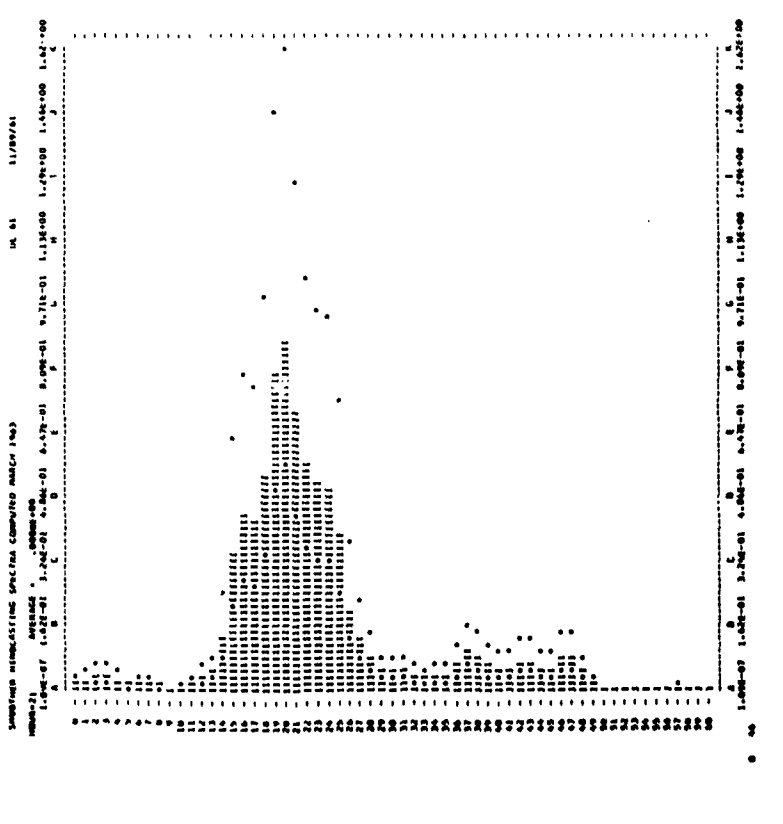
N	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0295	.0295	.0265	.0265	.0451	.0156
1	.006	.0302	.0302	.0292	.0292	.0538	.0186
2	.011	.0350	.0350	.0348	.0348	.0641	.0232
3	.017	.0296	.0296	.0286	.0286	.0527	.0182
4	.022	.0165	.0165	.0155	.0155	.0285	.0099
5	.028	.0075	.0075	.0065	.0065	.0120	.0041
6	.033	.0049	.0049	.0039	.0063	.0116	.0040
7	.039	.0041	.0041	.0031	.0042	.0078	.0027
8	.044	.0035	.0035	.0025	.0031	.0057	.0020
9	.050	.0026	.0026	.0016	.0019	.0034	.0012
10	.056	.0054	.0054	.0044	.0006	.0176	.0061
11	.061	.0286	.0286	.0276	.0311	.0574	.0198
12	.067	.1079	.1079	.1069	.1212	.2235	.0772
13	.072	.3462	.3462	.3452	.3986	.7347	.2538
14	.078	.7125	.7125	.7115	.8445	1.5566	.5377
15	.083	.8319	.8319	.8309	1.0223	1.8843	.6510
16	.089	.6105	.6105	.6095	.7829	1.4430	.4985
17	.094	.4220	.4220	.4210	.5485	1.0478	.3620
18	.100	.3129	.3129	.3119	.4453	.8207	.2835
19	.106	.2728	.2728	.2718	.4129	.7611	.2629
20	.111	.3190	.3190	.3180	.5164	.9519	.3288
21	.117	.3049	.3049	.3039	.5301	.9771	.3375
22	.122	.2115	.2115	.2105	.3983	.7305	.2523
23	.128	.1374	.1374	.1364	.2784	.5132	.1773
24	.133	.1098	.1098	.1088	.2420	.4460	.1541
25	.139	.1101	.1101	.1091	.2656	.4896	.1691
26	.144	.1132	.1132	.1122	.3003	.5534	.1912
27	.150	.0707	.0707	.0697	.2057	.3792	.1310
28	.156	.0284	.0284	.0274	.0896	.1652	.0571
29	.161	.0307	.0307	.0297	.1081	.1993	.0688
30	.167	.0464	.0464	.0454	.1868	.3606	.1177
31	.172	.0393	.0393	.0383	.1748	.3222	.1113
32	.178	.0199	.0199	.0189	.0992	.1755	.0606
33	.183	.0135	.0135	.0125	.0727	.1339	.0463
34	.189	.0198	.0198	.0188	.1263	.2290	.0791
35	.194	.0227	.0227	.0217	.1635	.3013	.1041
36	.200	.0179	.0179	.0169	.1458	.2687	.0928
37	.206	.0105	.0105	.0095	.0941	.1734	.0599
38	.211	.0052	.0052	.0042	.0479	.0883	.0305
39	.217	.0041	.0041	.0031	.0410	.0755	.0261
40	.222	.0036	.0037	.0027	.0411	.0757	.0261
41	.228	.0034	.0036	.0026	.0475	.0875	.0302
42	.233	.0042	.0039	.0029	.0620	.1143	.0395
43	.239	.0040	.0038	.0028	.0699	.1287	.0445
44	.244	.0031	.0032	.0022	.0657	.1210	.0418
45	.250	.0028	.0028	.0018	.0640	.1179	.0407
46	.256	.0027	.0026	.0016	.0679	.1251	.0432
47	.261	.0024	.0023	.0013	.0626	.1153	.0398
48	.267	.0016	.0018	.0008	.0453	.0834	.0288
49	.272	.0015	.0015	.0005	.0349	.0643	.0222
50	.278	.0014	.0013	.0003	.0259	.0456	.0159
51	.283	.0009	.0010	.0000	.0000	.0000	.0000
52	.289	.0007	.0007	.0000	.0000	.0000	.0000
53	.294	.0007	.0007	.0000	.0000	.0000	.0000
54	.300	.0007	.0007	.0000	.0000	.0000	.0000
55	.306	.0008	.0007	.0000	.0000	.0000	.0000
56	.311	.0007	.0008	.0000	.0000	.0000	.0000
57	.317	.0011	.0011	.0001	.0001	.0001	.0000
58	.322	.0014	.0013	.0003	.0003	.0006	.0002
59	.328	.0015	.0015	.0005	.0005	.0009	.0003
60	.333	.0015	.0015	.0005	.0005	.0009	.0003



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1983

DATE = 11/09/61 AV. T= 7.4 RECORD = DL 61
HOUR = 21 SIG.HGT. = 11.3 UPPER HGT. = 12.4
TOTAL DP =170 CORR. VAR. = 8.0 LOWER HGT. = 10.4
NOISE LEVEL = .0034 WIND SPEED = 0

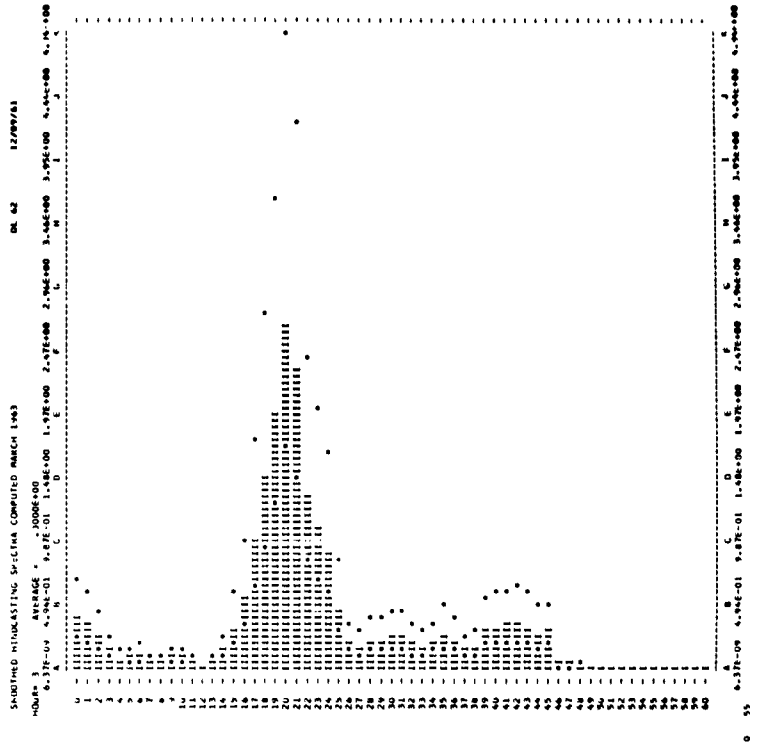
N	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.006	.0214	.0214	.0180	.0180	.0331	.0114
1	.006	.0262	.0262	.0228	.0228	.0420	.0145
2	.011	.0366	.0366	.0332	.0332	.0611	.0211
3	.017	.0384	.0384	.0350	.0350	.0644	.0223
4	.022	.0258	.0258	.0224	.0224	.0412	.0142
5	.028	.0124	.0124	.0090	.0090	.0165	.0057
6	.033	.0130	.0130	.0096	.0151	.0278	.0096
7	.039	.0171	.0137	.0103	.0181	.0334	.0116
8	.044	.0109	.0109	.0075	.0084	.0164	.0057
9	.050	.0051	.0051	.0017	.0018	.0034	.0012
10	.056	.0085	.0085	.0051	.0054	.0099	.0034
11	.061	.0168	.0168	.0134	.0139	.0256	.0088
12	.067	.0366	.0316	.0282	.0320	.0589	.0204
13	.072	.0496	.0496	.0462	.0474	.0873	.0302
14	.078	.1296	.1296	.1262	.1308	.2407	.0831
15	.083	.3268	.3268	.3234	.3600	.6266	.2165
16	.089	.4109	.4109	.4075	.4333	.7986	.2759
17	.094	.3794	.3794	.3760	.4148	.7644	.2641
18	.100	.4714	.4714	.4680	.5327	.9819	.3392
19	.100	.6781	.6781	.6727	.7961	1.4638	.5096
20	.111	.7186	.7152	.7102	.8782	1.6187	.5592
21	.117	.5457	.5457	.5423	.6950	1.2810	.4425
22	.122	.4251	.4251	.4217	.5660	1.0433	.3604
23	.128	.3725	.3725	.3691	.5206	.9595	.3315
24	.133	.3431	.3431	.3397	.5051	.9310	.3216
25	.139	.2521	.2521	.2487	.3912	.7210	.2491
26	.144	.1224	.1224	.1190	.1985	.3658	.1264
27	.150	.0731	.0731	.0697	.1236	.2277	.0787
28	.156	.0434	.0434	.0400	.0756	.1394	.0481
29	.161	.0296	.0296	.0262	.0448	.0826	.0285
30	.167	.0239	.0239	.0205	.0444	.0819	.0283
31	.172	.0226	.0226	.0192	.0447	.0824	.0285
32	.178	.0172	.0172	.0138	.0346	.0639	.0221
33	.183	.0145	.0145	.0111	.0301	.0554	.0192
34	.189	.0154	.0154	.0120	.0353	.0650	.0225
35	.194	.0149	.0149	.0115	.0367	.0677	.0234
36	.200	.0213	.0213	.0179	.0623	.1149	.0397
37	.206	.0276	.0276	.0242	.0920	.1696	.0586
38	.211	.0228	.0228	.0194	.0808	.1489	.0514
39	.217	.0173	.0173	.0139	.0635	.1171	.0405
40	.222	.0165	.0166	.0110	.0595	.1823	.0394
41	.228	.0119	.0133	.0099	.0551	.1016	.0352
42	.233	.0153	.0144	.0109	.0673	.1240	.0428
43	.239	.0150	.0137	.0103	.0703	.1297	.0448
44	.244	.0097	.0108	.0074	.0599	.1038	.0396
45	.250	.0100	.0100	.0066	.0555	.1023	.0393
46	.256	.0127	.0115	.0081	.0764	.1408	.0486
47	.261	.0119	.0108	.0074	.0779	.1436	.0496
48	.267	.0067	.0075	.0040	.0480	.0885	.0306
49	.272	.0044	.0044	.0011	.0182	.0336	.0116
50	.278	.0033	.0033	.0001	.0018	.0033	.0000
51	.283	.0030	.0030	.0000	.0000	.0000	.0000
52	.289	.0031	.0031	.0000	.0000	.0000	.0000
53	.294	.0032	.0032	.0000	.0000	.0000	.0000
54	.300	.0033	.0032	.0000	.0000	.0000	.0000
55	.306	.0030	.0030	.0000	.0000	.0000	.0000
56	.311	.0028	.0031	.0000	.0000	.0000	.0000
57	.317	.0037	.0036	.0001	.0003	.0007	.0004
58	.322	.0042	.0039	.0004	.0005	.0009	.0003
59	.328	.0039	.0040	.0004	.0006	.0011	.0004
60	.333	.0042	.0041	.0006	.0006	.0011	.0004



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 12/09/61 Av. T= 7.3 RECORD = DL 62
HOUR = 3 SIG.HGT. = 18.2 UPPER HGT. = 19.9
TOTAL DF =167 CORR. VAR. = 20.7 LOWER HGT. = 16.7
NOISE LEVEL = .0247 WIND SPEED = 0

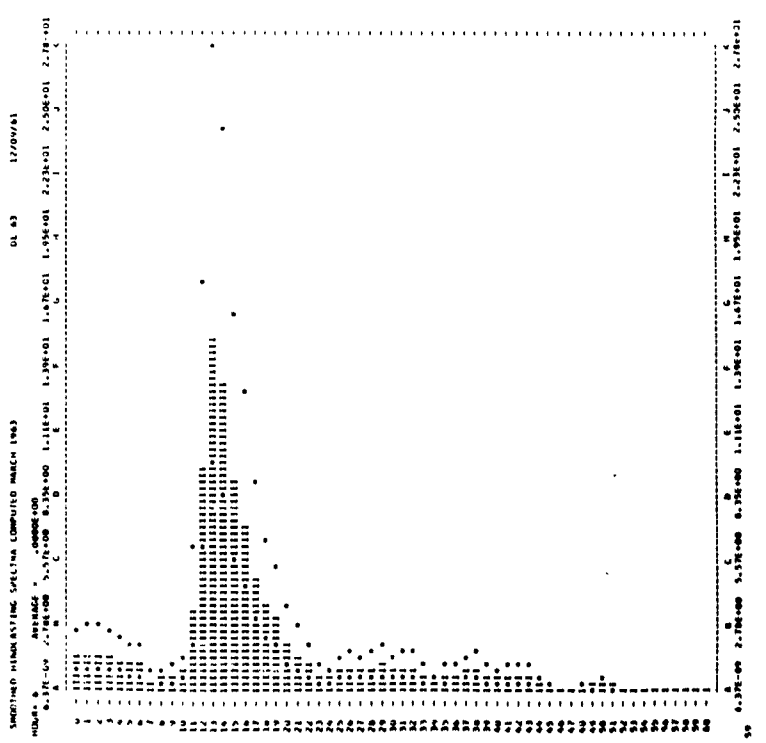
N	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.4005	.4005	.3758	.3758	.6927	.2393
1	.006	.3938	.3938	.3291	.3291	.6066	.2096
2	.011	.2620	.2620	.2373	.2373	.4374	.1511
3	.017	.1962	.1962	.1315	.1315	.2424	.0837
4	.022	.0979	.0979	.0728	.0728	.1342	.0464
5	.028	.1066	.1066	.0819	.0819	.1510	.0522
6	.033	.0958	.0958	.0711	.1120	.2065	.0713
7	.039	.0681	.0681	.0434	.0576	.1062	.0367
8	.044	.0698	.0698	.0451	.0537	.0990	.0342
9	.050	.0958	.0958	.0711	.0789	.1455	.0503
10	.056	.1001	.1001	.0754	.0802	.1477	.0510
11	.061	.0654	.0654	.0407	.0422	.0778	.0269
12	.067	.0355	.0355	.0108	.0111	.0204	.0071
13	.072	.0673	.0673	.0426	.0437	.0806	.0278
14	.078	.1495	.1495	.1248	.1292	.2381	.0823
15	.083	.3263	.3263	.3016	.3171	.5845	.2019
16	.089	.5379	.5379	.5132	.5437	1.0058	.3479
17	.094	.9069	.9069	.8822	.9736	1.7962	.6198
18	.100	1.3308	1.3308	1.3061	1.4889	2.7405	.9468
19	.106	1.7097	1.7097	1.6850	1.9842	3.6863	1.2666
20	.111	2.2094	2.2094	2.1807	2.5779	4.9398	1.7051
21	.117	1.8301	1.8301	1.8094	2.3140	4.2650	1.4736
22	.122	1.0039	1.0039	.9792	1.3144	2.4228	.8370
23	.128	.8100	.8100	.7853	1.1077	2.0416	.7053
24	.133	.6285	.6285	.6038	.8979	1.6550	.5717
25	.139	.3221	.3221	.2974	.4678	.8623	.2978
26	.144	.1617	.1617	.1370	.1952	.3598	.1243
27	.150	.1132	.1132	.0885	.1470	.2893	.1000
28	.156	.1381	.1381	.1084	.2051	.3780	.1306
29	.161	.1281	.1281	.1034	.2092	.3856	.1332
30	.167	.1369	.1369	.1102	.2392	.4409	.1523
31	.172	.1266	.1266	.1019	.2377	.4380	.1513
32	.178	.1012	.1012	.0765	.1926	.3549	.1226
33	.183	.0807	.0807	.0560	.1522	.2806	.0969
34	.189	.0918	.0918	.0671	.1978	.3646	.1260
35	.194	.1059	.1059	.0812	.2600	.4792	.1656
36	.200	.0855	.0855	.0608	.2122	.3911	.1351
37	.206	.0580	.0580	.0333	.1269	.2338	.0808
38	.211	.0644	.0644	.0397	.1656	.3053	.1055
39	.217	.0879	.0879	.0632	.2897	.5339	.1844
40	.222	.0685	.0864	.0617	.3112	.5736	.1981
41	.229	.0808	.0895	.0949	.3273	.6033	.2084
42	.233	.0861	.0803	.0557	.3424	.6310	.2180
43	.239	.0724	.0713	.0466	.3179	.5859	.2024
44	.244	.0563	.0604	.0358	.2732	.4999	.1727
45	.250	.0568	.0578	.0331	.2400	.5161	.1783
46	.256	.0614	.0565	.0338	.0338	.0623	.0215
47	.261	.0564	.0518	.0271	.0271	.0499	.0172
48	.267	.0369	.0399	.0153	.0153	.0281	.0097
49	.272	.0316	.0361	.0096	.0096	.0173	.0060
50	.278	.0363	.0334	.0087	.0087	.0160	.0055
51	.283	.0294	.0293	.0047	.0047	.0086	.0030
52	.289	.0223	.0255	.0008	.0008	.0015	.0005
53	.294	.0281	.0268	.0021	.0021	.0038	.0014
54	.300	.0288	.0225	.0019	.0019	.0035	.0012
55	.306	.0206	.0224	.0000	.0000	.0000	.0000
56	.311	.0195	.0215	.0000	.0000	.0000	.0000
57	.317	.0265	.0258	.0011	.0011	.0020	.0007
58	.322	.0307	.0276	.0029	.0029	.0054	.0019
59	.328	.0225	.0226	.0000	.0000	.0000	.0000
60	.333	.0149	.0187	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 12/09/61 Av. T= 7.6 RECORD = DL 63
HOUR = 6 SIG.HGT. = 39.9 UPPER HGT. = 44.0
TOTAL DF =140 CORR. VAR. = 99.5 LOWER HGT. = 36.2
NOISE LEVEL = .0750 WIND SPEED = 0

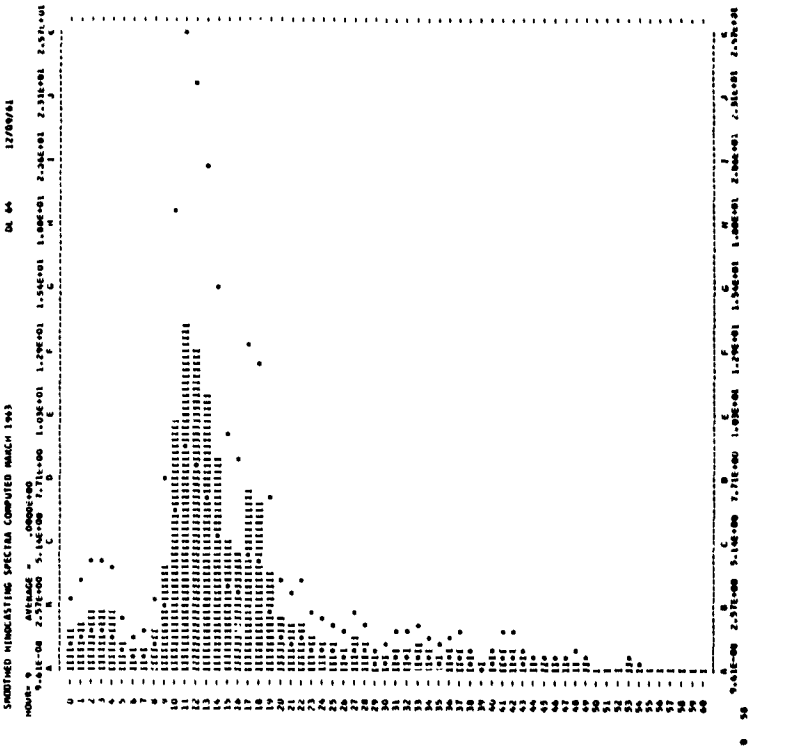
N	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	1.4004	1.4004	1.3254	1.3254	2.4429	.8639
1	.006	1.5447	1.5447	1.4697	1.4697	2.7089	.9358
2	.011	1.5750	1.5750	1.5000	1.5000	2.7647	.9551
3	.017	1.1716	1.1716	1.0966	1.2466	2.3894	.8255
4	.022	1.2792	1.2792	1.2042	1.2042	2.2195	.7668
5	.028	1.1220	1.1220	1.0470	1.0470	1.9298	.6667
6	.033	.7240	.7240	.6490	1.0225	1.8846	.6511
7	.039	.3880	.3680	.3130	.4156	.7659	.2646
8	.044	.4418	.4418	.4068	.4844	.8928	.3084
9	.050	.5870	.5870	.5120	.5683	1.0474	.3618
10	.056	.8292	.8292	.7542	.8017	1.4777	.5105
11	.061	3.2187	3.2187	3.1437	3.2616	6.0116	2.0768
12	.067	9.5315	9.5315	9.4565	9.4944	17.4996	6.0459
13	.072	14.7911	14.7911	14.7161	15.0987	27.8292	9.6139
14	.078	12.8193	12.8193	12.7443	13.1903	24.3118	8.3988
15	.083	8.4716	8.4716	8.3966	8.8280	16.2712	5.6211
16	.089	6.6246	6.6246	6.5496	6.9842	12.8380	4.4346
17	.094	6.3967	6.3967	6.3217	6.7686	8.7891	3.0363
18	.100	3.1693	3.1693	3.0743	3.4998	6.4506	2.2286
19	.106	2.5631	2.5631	2.4881	2.9372	5.4137	1.8702
20	.111	1.6283	1.6283	1.5533	1.9074	3.5157	1.2145
21	.117	1.2335	1.2335	1.1585	1.4848	2.7368	.9455
22	.122	.8790	.8790	.8040	1.0793	1.9893	.6872
23	.128	.5192	.5192	.4442	.6265	1.1548	.3989
24	.133	.3897	.3897	.3107	.4623	.8521	.2944
25	.139	.5437	.5437	.4687	.7173	1.3589	.4695
26	.144	.6083	.6083	.5333	.8897	1.6399	.5665
27	.150	.4766	.4766	.3996	.7087	1.3063	.4513
28	.156	.5528	.5528	.4778	.9039	1.6660	.5755
29	.161	.5830	.5830	.5080	1.0278	1.8940	.6543
30	.167	.4274	.4274	.3524	.7668	1.4097	.4870
31	.172	.4344	.4344	.3594	.8181	1.5048	.5337
32	.178	.4981	.4981	.3831	.9662	1.7772	.6139
33	.183	.2919	.2919	.2169	.5450	1.0046	.3788
34	.189	.1831	.1831	.1081	.3186	.5873	.2029
35	.194	.2452	.2452	.1702	.5469	1.0044	.3470
36	.200	.2686	.2686	.1936	.6769	1.2440	.4297
37	.206	.2893	.2893	.2143	.8162	1.5044	.5197
38	.211	.3038	.3038	.2788	.9564	1.7591	.6077
39	.217	.2105	.2105	.1355	.8209	1.5144	.3953
40	.222	.1645	.1781	.1031	.5149	.9503	.3310
41	.228	.1731	.1712	.0982	.5350	.9880	.3406
42	.233	.1841	.1718	.0988	.5940	1.0948	.3784
43	.239	.1650	.1940	.0790	.5387	.9929	.3430
44	.244	.1119	.1180	.0430	.4264	.9017	.2079
45	.250	.0834	.0879	.0129	.1089	.2006	.0694
46	.256	.0729	.0749	.0000	.0000	.0000	.0000
47	.261	.0706	.0751	.0001	.0007	.0013	.0004
48	.267	.0862	.0828	.0078	.0922	.1700	.0587
49	.272	.0681	.0693	.0143	.1907	.3515	.1214
50	.278	.0967	.0926	.0176	.2772	.4842	.1673
51	.283	.0922	.0865	.0115	.1960	.3613	.1248
52	.289	.0669	.0700	.0000	.0000	.0000	.0000
53	.294	.0539	.0808	.0000	.0000	.0000	.0000
54	.300	.0685	.0730	.0000	.0000	.0000	.0000
55	.306	.1011	.0965	.0195	.0195	.0360	.0124
56	.311	.1075	.0993	.0243	.0243	.0448	.0155
57	.317	.0811	.0818	.0068	.0068	.0126	.0043
58	.322	.0576	.0633	.0000	.0000	.0000	.0000
59	.328	.0570	.0594	.0000	.0000	.0000	.0000
60	.333	.0659	.0614	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1983

DATE = 12/09/81 AV. T= 10.0 RECORD = DL 64
HOUR = 0 SIG.HGT. = 44.9 UPPER HGT. = 48.9
TOTAL DF =181 CORR. VAR. = 126.1 LOWER HGT. = 41.2
NOISE LEVEL = .1172 WIND SPEED = 0

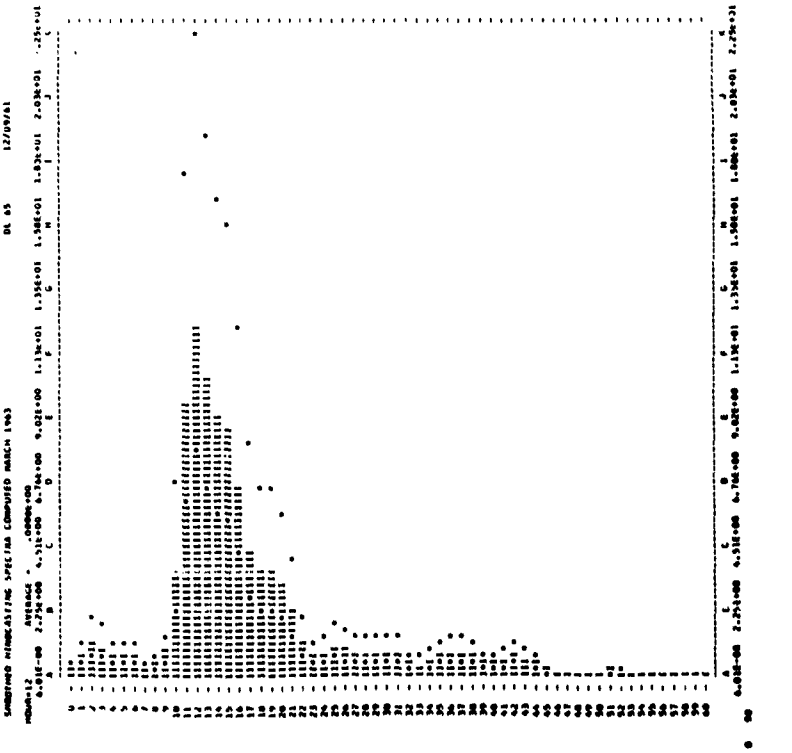
H	FRE.	UNIT=FT.2 FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	1.9872	1.9872	1.4700	1.4700	2.7093	.9360
1	.006	2.0376	2.0376	1.9204	1.9204	3.9399	1.2228
2	.011	2.4273	2.4273	2.3101	2.3101	4.2578	1.4709
3	.017	2.9219	2.9219	2.4067	2.4067	4.4321	1.5311
4	.022	2.3219	2.3219	2.2043	2.2043	4.0628	1.4039
5	.028	1.2382	1.2382	1.1150	1.1150	2.0550	.7099
6	.033	.5964	.5964	.4302	.6919	1.2753	.4406
7	.039	.7138	.7138	.5963	.7917	1.4591	.5041
8	.044	1.3965	1.3965	1.2303	1.4757	2.7199	.9396
9	.050	3.8498	3.8498	3.7326	4.1428	7.6357	2.6379
10	.056	9.5790	9.5790	9.4618	10.0578	18.5381	6.4042
11	.061	13.5585	13.5585	13.4413	13.9453	25.7033	8.8795
12	.067	12.6943	12.6943	12.5771	12.8593	23.7019	8.1888
13	.072	10.7870	10.7870	10.6698	10.9472	20.1773	6.9705
14	.078	8.2339	8.2339	8.1167	8.4007	15.4838	5.3491
15	.083	6.9837	6.9837	6.8665	7.1166	9.4306	3.2579
16	.089	6.4839	6.4839	6.3667	6.6431	8.9579	2.9566
17	.094	6.3667	6.3667	6.2495	7.1161	13.1124	4.5298
18	.100	6.0080	6.0080	5.8908	6.7060	12.3602	4.2700
19	.106	3.3106	3.3106	3.1934	3.7698	6.9482	2.4004
20	.111	1.7491	1.7491	1.6319	2.0039	3.6935	1.2760
21	.117	1.4768	1.4768	1.3596	1.7625	3.2118	1.1095
22	.122	1.5354	1.5354	1.4182	1.9037	3.5089	1.2122
23	.128	1.0357	1.0357	.9185	1.2955	2.3878	.8249
24	.133	.8764	.8764	.7592	1.1269	2.0808	.7188
25	.139	.7715	.7715	.6543	1.0242	1.8970	.6553
26	.144	.6390	.6390	.5178	.8638	1.5922	.5500
27	.150	.8320	.8320	.7148	1.2677	2.3365	.8072
28	.156	.6538	.6538	.5366	1.0151	1.8709	.6463
29	.161	.3226	.3226	.2054	.4184	.7697	.2845
30	.167	.3652	.3652	.2480	.5382	.9919	.3427
31	.172	.4639	.4639	.3467	.8084	1.4901	.5148
32	.178	.4708	.4708	.3536	.8899	1.6402	.5666
33	.183	.4517	.4517	.3365	.9145	1.6856	.5823
34	.189	.3665	.3665	.2493	.7348	1.3543	.4679
35	.194	.3001	.3001	.1829	.5855	1.0791	.3728
36	.200	.3217	.3217	.2045	.7135	1.3152	.4543
37	.206	.3262	.3262	.2090	.7959	1.4669	.5068
38	.211	.2325	.2325	.1153	.4808	.8862	.3061
39	.217	.1508	.1508	.0336	.1938	.2834	.0978
40	.222	.1954	.2066	.0894	.4504	.8302	.2868
41	.228	.2849	.2570	.1398	.7776	1.4331	.4951
42	.233	.2632	.2427	.1255	.7720	1.4230	.4916
43	.239	.1598	.1821	.0649	.4423	.8153	.2817
44	.244	.1456	.1536	.0364	.2758	.5083	.1756
45	.250	.1634	.1530	.0358	.3024	.5574	.1926
46	.256	.1397	.1472	.0249	.2827	.5210	.1800
47	.261	.1459	.1471	.0299	.3144	.5851	.2014
48	.267	.1571	.1483	.0310	.3686	.6796	.2347
49	.272	.1330	.1367	.0175	.2361	.4314	.1490
50	.278	.1159	.1182	.0000	.0000	.0000	.0000
51	.283	.1000	.1049	.0000	.0000	.0000	.0000
52	.289	.1039	.1125	.0000	.0000	.0000	.0000
53	.294	.1421	.1294	.0122	.2675	.4931	.1703
54	.300	.1295	.1223	.0050	.1262	.2326	.0804
55	.306	.0880	.0978	.0000	.0000	.0000	.0000
56	.311	.0858	.0887	.0000	.0000	.0000	.0000
57	.317	.0953	.0949	.0000	.0000	.0000	.0000
58	.322	.1032	.1121	.0000	.0000	.0000	.0000
59	.328	.1468	.1449	.0277	.0277	.0510	.0176
60	.333	.1832	.1649	.0477	.0477	.0878	.0303



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1983

DATE = 12/09/81 AV. T= 9.9 RECORD = DL 65
HOUR = 12 SIG.HGT. = 39.5 UPPER HGT. = 43.4
TOTAL DF =151 CORR. VAR. = 91.7 LOWER HGT. = 36.0
NOISE LEVEL = .0625 WIND SPEED = 0

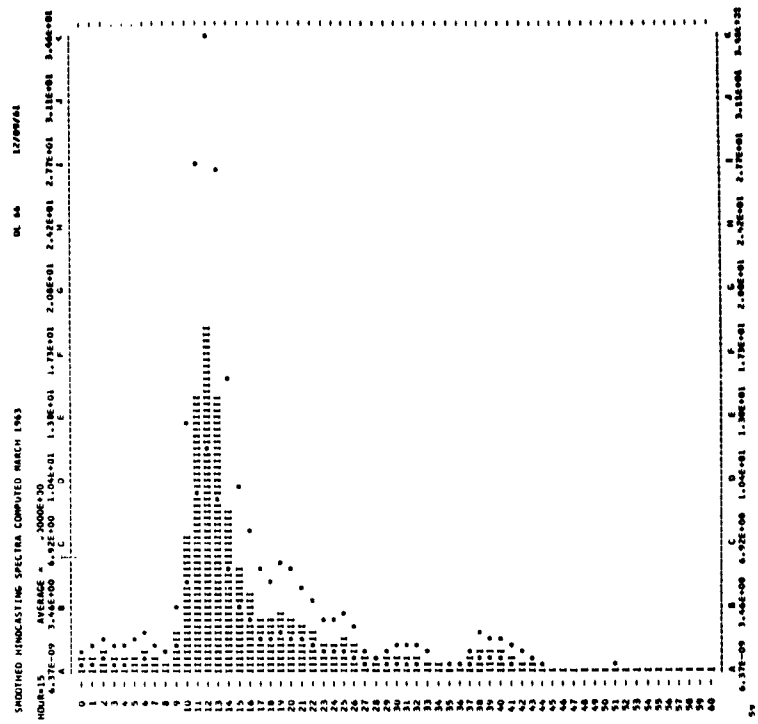
H	FRE.	UNIT=FT.2 FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.3192	.3192	.2567	.2567	.4732	.1495
1	.006	.6794	.6794	.6169	.6169	1.1371	.3928
2	.011	1.2098	1.2098	1.1473	1.1473	2.1147	.7305
3	.017	1.0063	1.0063	.9438	.9438	1.7396	.6010
4	.022	.6798	.6798	.6173	.6173	1.1378	.3931
5	.028	.6825	.6825	.6200	.6200	1.1428	.3948
6	.033	.4225	.4225	.3600	.5672	1.0455	.3612
7	.039	.2261	.2261	.1636	.2172	.4004	.1383
8	.044	.3532	.3532	.2907	.3662	.6381	.2206
9	.050	.7738	.7738	.7113	.7895	1.4552	.5027
10	.056	3.5465	3.5465	3.4820	3.7014	6.8222	2.3568
11	.061	9.2845	9.2845	9.2220	9.5678	17.6350	6.0922
12	.067	11.9840	11.9840	11.9215	12.2279	22.5378	7.7860
13	.072	10.0601	10.0601	9.9976	10.2576	18.9062	6.5314
14	.078	8.7772	8.7772	8.7147	9.0147	16.6247	5.7432
15	.083	8.1999	8.1999	8.1374	8.5557	15.7694	5.4477
16	.089	6.2284	6.2284	6.1659	6.5562	12.0841	4.1760
17	.094	4.0153	4.0153	3.9528	4.3615	8.0390	2.7772
18	.100	3.2213	3.2213	3.1588	3.5960	6.6280	2.2897
19	.106	3.0944	3.0944	3.0319	3.5702	6.5970	2.2790
20	.111	2.5461	2.5461	2.4836	3.0499	5.6214	1.9420
21	.117	1.7515	1.7515	1.6890	2.1648	3.9901	1.3784
22	.122	.9234	.9234	.8609	1.1557	2.1301	.7359
23	.128	.5392	.5392	.4767	.6724	1.2394	.4282
24	.133	.5783	.5783	.5158	.7671	1.4138	.4886
25	.139	.4625	.4625	.4000	.5439	1.0027	.3010
26	.144	.5708	.5708	.5083	.8481	1.5631	.5400
27	.150	.4744	.4744	.4119	.7308	1.3466	.4652
28	.156	.4772	.4772	.4147	.7846	1.4461	.4998
29	.161	.4124	.4124	.3499	.7079	1.3047	.4507
30	.167	.4002	.4002	.3377	.7138	1.3510	.4667
31	.172	.3537	.3537	.2912	.6792	1.2518	.4324
32	.178	.2097	.2097	.1472	.3705	.6830	.2359
33	.183	.1778	.1778	.1151	.3129	.5767	.1992
34	.189	.2295	.2295	.1670	.4924	.9079	.3135
35	.194	.2459	.2459	.1834	.5073	1.0824	.3739
36	.200	.2610	.2610	.1985	.6928	1.2770	.4411
37	.206	.2598	.2598	.1973	.7516	1.3852	.4785
38	.211	.2038	.2038	.1413	.5895	1.0866	.3754
39	.217	.1407	.1407	.0782	.3585	.6607	.2282
40	.222	.1332	.1396	.0769	.3876	.7145	.2468
41	.228	.1506	.1407	.0863	.4798	.8844	.3055
42	.233	.1610	.1568	.0936	.5756	1.0609	.3663
43	.239	.1518	.1521	.0796	.5629	1.0886	.3697
44	.244	.1037	.1080	.0455	.3655	.6367	.2200
45	.250	.0729	.0778	.0152	.1282	.2364	.0817
46	.256	.0611	.0609	.0000	.0000	.0000	.0000
47	.261	.0607	.0565	.0000	.0000	.0000	.0000
48	.267	.0597	.0584	.0000	.0000	.0000	.0000
49	.272	.0656	.0634	.0000	.0127	.0233	.0081
50	.278	.0620	.0601	.0036	.0543	.1000	.0346
51	.283	.0731	.0697	.0072	.1716	.3279	.1187
52	.289	.0699	.0667	.0042	.0817	.1506	.0520
53	.294	.0559	.0594	.0000	.0000	.0000	.0000
54	.300	.0600	.0591	.0000	.0000	.0000	.0000
55	.306	.0626	.0578	.0000	.0000	.0000	.0000
56	.311	.0629	.0697	.0000	.0000	.0000	.0000
57	.317	.0565	.0552	.0000	.0000	.0000	.0000
58	.322	.0770	.0696	.0069	.0127	.0233	.0081
59	.328	.0730	.0711	.0087	.0087	.0160	.0055
60	.333	.0616	.0673	.0048	.0048	.0089	.0031



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 12/09/61 AV. T= 10.4 RECORD = DL 66
HOUR = 15 SIG.HGT. = 43.8 UPPER HGT. = 47.6
TOTAL DF =128 CORR. VAL. = 119.6 LOWER HGT. = 38.9
NOISE LEVEL = .1120 WIND SPEED = 0

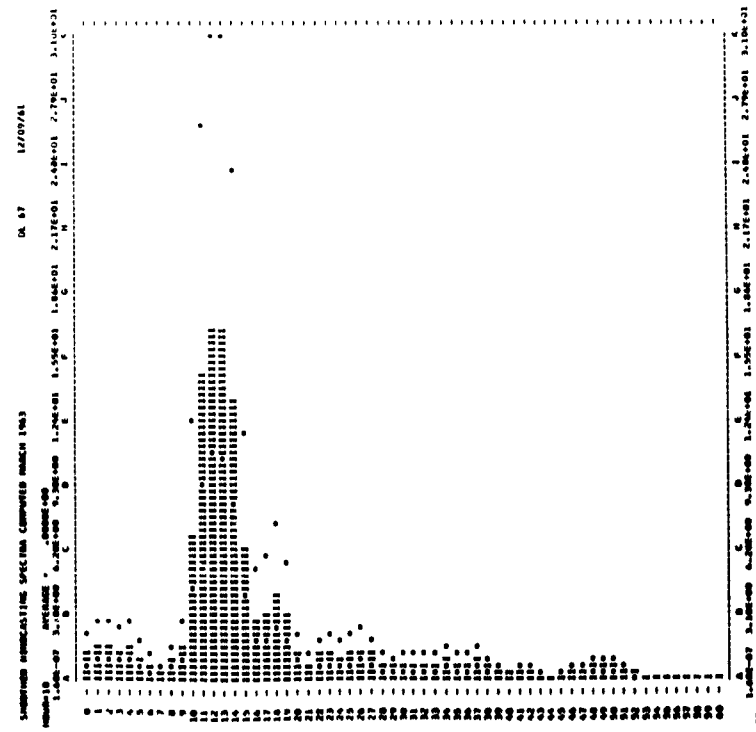
N	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.7307	.7307	.6187	.6187	1.1404	.3940
1	.006	.9216	.9216	.8096	.8096	1.4923	.5185
2	.011	1.0363	1.0363	.9243	.9243	1.7008	.5873
3	.017	.8610	.8610	.7490	.7490	1.3806	.4769
4	.022	.8566	.8566	.7446	.7446	1.3725	.4741
5	.028	.9614	.9614	.8494	.8494	1.5656	.5409
6	.033	.8668	.8668	.7548	1.1868	2.1910	.7949
7	.039	.7806	.7806	.6686	.8211	1.5134	.5228
8	.044	.5396	.5396	.4276	.5092	.9386	.3242
9	.050	1.0646	1.0646	1.7526	1.9452	3.5894	1.2386
10	.056	7.0626	7.0626	6.9906	9.3885	19.6181	6.7066
11	.061	14.6093	14.6093	14.4973	15.0410	27.7227	9.5772
12	.067	18.4078	18.4078	18.2958	18.7660	34.5886	11.9491
13	.072	14.5248	14.5248	14.4128	14.7876	27.2957	9.4158
14	.078	8.4285	8.4285	8.3165	8.6074	15.8651	5.4808
15	.083	5.3755	5.3755	5.2635	5.5361	10.2091	3.5258
16	.089	3.9714	3.9714	3.8594	4.1037	7.5638	2.6130
17	.094	2.7639	2.7639	2.6519	2.9261	5.3933	1.8632
18	.100	2.3950	2.3950	2.2830	2.5990	4.7903	1.6549
19	.106	2.7767	2.7767	2.6647	3.1433	5.7937	2.0015
20	.111	2.4984	2.4984	2.3864	2.9305	5.4014	1.8660
21	.117	2.0524	2.0524	1.9404	2.4870	4.5840	1.5836
22	.122	1.6890	1.6890	1.5770	2.1170	3.9019	1.3480
23	.128	1.1979	1.1979	1.0859	1.5317	2.8231	.9753
24	.133	1.1104	1.1104	.9984	1.4848	2.7366	.9454
25	.139	1.1376	1.1376	1.0256	1.6134	2.9738	1.0273
26	.144	.8954	.8954	.7834	1.3071	2.4091	.8323
27	.150	.4481	.4481	.3361	.5962	1.0988	.3796
28	.156	.3041	.3041	.1921	.3635	.6699	.2314
29	.161	.4351	.4351	.3231	.6536	1.2048	.4162
30	.167	.4326	.4326	.3206	.6959	1.2826	.4431
31	.172	.3982	.3982	.2862	.6675	1.2303	.4250
32	.178	.3753	.3753	.2633	.6628	1.2216	.4220
33	.183	.2990	.2990	.1870	.5084	.9370	.3237
34	.189	.2051	.2051	.0931	.2745	.5060	.1748
35	.194	.1471	.1471	.0351	.1125	.2073	.0716
36	.200	.1510	.1510	.0390	.1362	.2510	.0867
37	.206	.2661	.2661	.1541	.5870	1.0820	.3738
38	.211	.3630	.3630	.2510	1.0472	1.9301	.6668
39	.217	.3317	.3317	.2197	1.0069	1.8559	.6411
40	.222	.2940	.2915	.1796	.9051	1.6682	.5763
41	.228	.2464	.2429	.1309	.7280	1.3418	.4636
42	.233	.1847	.1950	.0830	.5107	.9413	.3252
43	.239	.1642	.1808	.0688	.3930	.6138	.2120
44	.244	.1301	.1247	.0128	.0949	.1786	.0617
45	.250	.0746	.0816	.0000	.0000	.0000	.0000
46	.256	.0472	.0534	.0000	.0000	.0000	.0000
47	.261	.0444	.0457	.0000	.0000	.0000	.0000
48	.267	.0468	.0552	.0000	.0000	.0000	.0000
49	.272	.0829	.0980	.0000	.0000	.0000	.0000
50	.278	.1794	.1722	.0602	.0602	.1110	.0384
51	.283	.2472	.2148	.1028	.1028	.1895	.0655
52	.289	.1654	.1788	.0668	.0668	.1232	.0426
53	.294	.0973	.1134	.0014	.0014	.0026	.0009
54	.300	.0735	.0823	.0000	.0000	.0000	.0000
55	.306	.0851	.0870	.0000	.0000	.0000	.0000
56	.311	.1045	.1027	.0000	.0000	.0000	.0000
57	.317	.1166	.1092	.0000	.0000	.0000	.0000
58	.322	.0992	.0955	.0000	.0000	.0000	.0000
59	.328	.0671	.0730	.0000	.0000	.0000	.0000
60	.333	.0587	.0629	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 12/09/61 AV. T= 10.0 RECORD = DL 67
HOUR = 18 SIG.HGT. = 43.6 UPPER HGT. = 48.3
TOTAL DF =127 CORR. VAL. = 119.0 LOWER HGT. = 39.4
NOISE LEVEL = .0620 WIND SPEED = 0

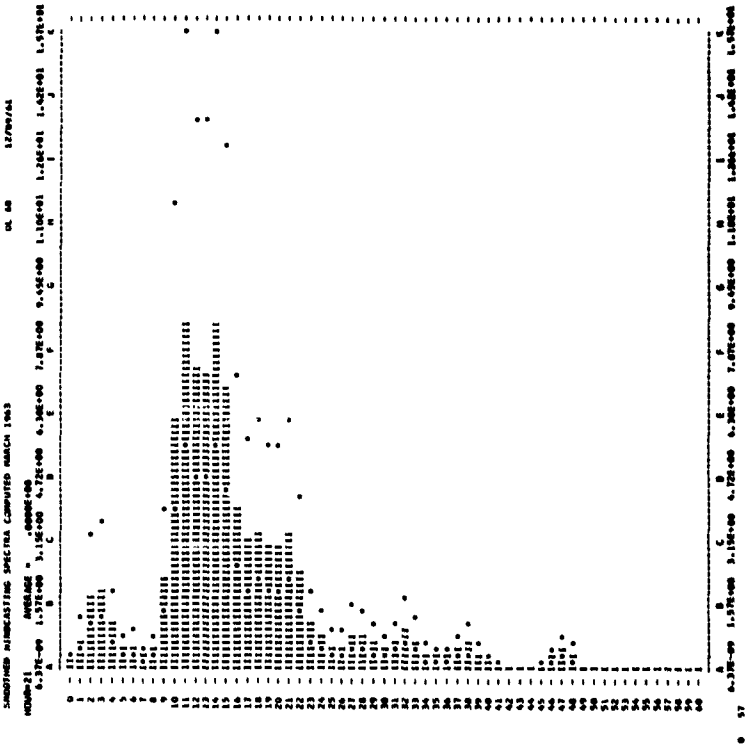
N	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	1.1876	1.1876	1.1256	1.1256	2.0747	.7167
1	.006	1.5446	1.5446	1.4826	1.4826	2.7327	.9441
2	.011	1.5824	1.5824	1.5204	1.5204	2.8024	.9681
3	.017	1.3362	1.3362	1.2742	1.2742	2.3486	.8114
4	.022	1.4965	1.4965	1.4345	1.4325	2.6404	.9122
5	.028	1.0718	1.0718	1.0098	1.0098	1.8613	.6431
6	.033	.4749	.4749	.4129	.6585	1.2136	.4193
7	.039	.2998	.2998	.2378	.3158	.5820	.2011
8	.044	.7771	.7771	.7151	.8516	1.5696	.5422
9	.050	1.4838	1.4838	1.4218	1.5781	2.9087	1.0048
10	.056	6.3374	6.3374	6.2754	6.6708	12.2953	4.2476
11	.061	14.0534	14.0534	13.9914	14.5161	26.7554	9.2430
12	.067	16.4523	16.4523	16.3903	16.8116	30.9862	10.7046
13	.072	16.3876	16.3876	16.3256	16.7501	30.8729	10.6659
14	.078	12.8668	12.8668	12.8048	13.2528	24.4269	8.4386
15	.083	6.0880	6.0880	6.0260	6.3358	11.6778	4.0342
16	.089	2.7593	2.7593	2.6973	2.8681	5.2863	1.8262
17	.094	2.9095	2.9095	2.8475	3.1620	5.7911	2.0006
18	.100	3.6380	3.6380	3.5760	4.0710	7.5034	2.5921
19	.106	2.5860	2.5860	2.5240	2.9796	5.4919	1.8972
20	.111	1.0778	1.0778	1.0158	1.2674	2.2992	.7943
21	.117	.6487	.6487	.5867	.7520	1.3861	.4788
22	.122	.8721	.8721	.8101	1.0879	2.0045	.6925
23	.128	.9184	.9184	.8464	1.2052	2.2213	.7674
24	.133	.7213	.7213	.6593	.9805	1.8072	.6243
25	.139	.7612	.7612	.6992	1.1000	2.0274	.7004
26	.144	.8836	.8836	.8216	1.3708	2.5266	.8729
27	.150	.6749	.6749	.6129	1.0864	2.0024	.6918
28	.156	.3771	.3771	.3151	.5962	1.0988	.3796
29	.161	.3161	.3161	.2541	.5161	.9476	.3273
30	.167	.3679	.3679	.2059	.4208	1.1439	.3952
31	.172	.3399	.3399	.1779	.3682	1.1967	.4127
32	.178	.3033	.3033	.1413	.3074	1.1196	.3868
33	.183	.3042	.3042	.1422	.3584	1.2138	.4192
34	.189	.3256	.3256	.1636	.4786	1.6314	.4963
35	.194	.2818	.2818	.1198	.3059	1.2973	.4482
36	.200	.2699	.2699	.1079	.3117	1.3118	.4532
37	.206	.2718	.2718	.1098	.3942	1.4731	.5089
38	.211	.1949	.1949	.1329	.3945	1.0221	.3931
39	.217	.1307	.1307	.0687	.3158	.9806	.2000
40	.222	.0997	.1119	.0500	.2595	.9462	.1604
41	.228	.1172	.1140	.0520	.2893	.9332	.1862
42	.233	.1210	.1097	.0478	.2840	.9418	.1872
43	.239	.0786	.0862	.0242	.1818	.6782	.0963
44	.244	.0579	.0673	.0054	.0408	.0773	.0265
45	.250	.0750	.0788	.0166	.1402	.2584	.0893
46	.256	.1053	.0968	.0349	.3295	.6073	.2098
47	.261	.0998	.1016	.0396	.4193	.7728	.2670
48	.267	.1005	.1059	.0417	.4958	.9138	.3157
49	.272	.1140	.1092	.0432	.5788	1.0669	.3685
50	.278	.0923	.0942	.0282	.4899	.8997	.3094
51	.283	.0781	.0806	.0146	.3179	.5859	.2025
52	.289	.0739	.0719	.0100	.1928	.3554	.1228
53	.294	.0618	.0621	.0001	.0018	.0046	.0016
54	.300	.0588	.0524	.0000	.0000	.0000	.0000
55	.306	.0662	.0483	.0000	.0000	.0000	.0000
56	.311	.0908	.0581	.0000	.0000	.0000	.0000
57	.317	.0853	.0629	.0000	.0000	.0000	.0000
58	.322	.0637	.0629	.0000	.0196	.0358	.0252
59	.328	.0698	.0675	.0055	.0055	.0102	.0035
60	.333	.0667	.0662	.0043	.0043	.0116	.0040



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 12/09/61 AV. T= 10.2 RECORD = DL 66
HOUR = 21 SIG.HGT. = 37.5 UPPER HGT. = 48.9
TOTAL DP =170 CURR. VAR. = 87.8 LOWER HGT. = 34.6
NOISE LEVEL = .0831 WIND SPEED = 0

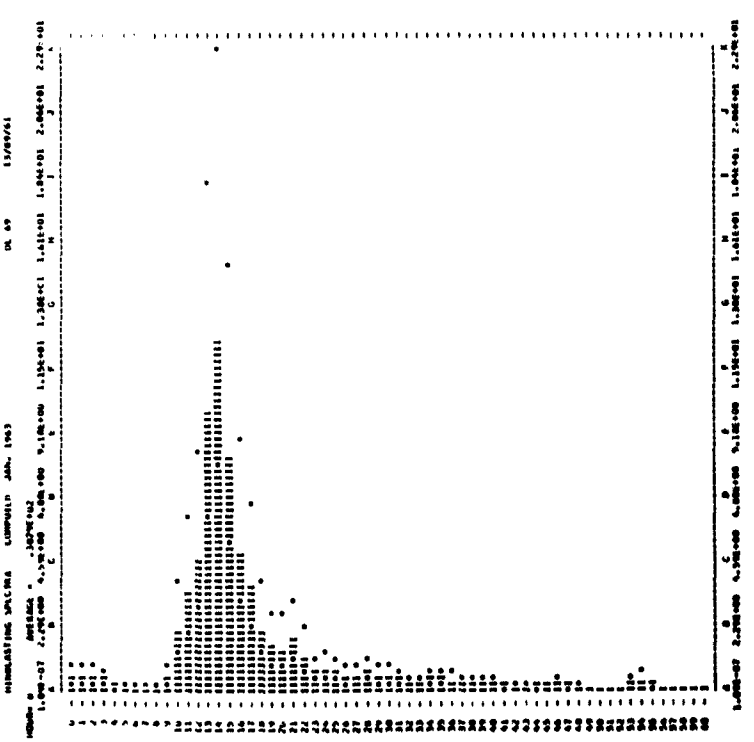
H	PRS. UNIT=FT.2	FILTERED	-NOISE	CURR.FT.2	UPPER	LOWER
0	.000	.2298	.2298	.1659	.1659	.2689	.6620
1	.006	.7857	.7857	.7586	.7586	1.2990	.6676
2	.011	1.0507	1.0507	1.7756	1.7756	3.2727	1.1386
3	.017	2.0190	2.0190	1.9328	1.9328	3.5626	1.2307
4	.022	1.1149	1.1149	1.0310	1.0310	1.9017	.6579
5	.028	.9310	.9310	.4479	.4479	.8296	.2852
6	.033	.3907	.3907	.3076	.4846	.8952	.3084
7	.039	.2861	.2861	.2038	.2695	.4968	.1716
8	.044	.4402	.4402	.3971	.4852	.7838	.2708
9	.050	2.0429	2.0429	1.9996	2.1767	4.0083	1.3847
10	.056	5.9319	5.9319	5.8468	6.2173	11.4593	3.9588
11	.061	8.3107	8.3107	8.2276	8.9361	15.7333	5.4353
12	.067	7.2698	7.2698	7.1899	7.5786	13.9091	4.6031
13	.072	7.2993	7.2993	7.1262	7.5118	13.4761	4.6595
14	.078	8.3383	8.3383	8.2552	8.9441	15.7481	5.4404
15	.083	6.7531	6.7531	6.6380	6.9918	12.8869	4.4520
16	.089	3.7695	3.7695	3.6824	3.9139	7.2168	2.4931
17	.094	2.8676	2.8676	2.7843	2.9722	5.4625	1.9062
18	.100	3.0373	3.0373	2.9542	3.1631	6.1986	2.1614
19	.106	2.9267	2.9267	2.9136	3.0673	5.6602	1.8896
20	.111	2.9368	2.9368	2.4334	3.0128	5.9536	1.9183
21	.117	2.7128	2.6207	2.5390	2.6123	5.1661	1.6611
22	.122	1.7983	1.7983	1.7152	2.3825	4.2436	1.4461
23	.128	.8347	.8347	.7516	1.0601	1.9540	.6758
24	.133	.5896	.5896	.5065	.7932	1.3883	.4796
25	.139	.4154	.4154	.3321	.5227	.9435	.3328
26	.144	.4127	.4127	.3296	.5499	1.0135	.3501
27	.150	.5448	.5448	.4617	.8189	1.5093	.5214
28	.156	.5035	.5035	.4204	.7993	1.4689	.5066
29	.161	.3836	.3836	.3005	.6079	1.1284	.3871
30	.167	.2966	.2966	.2135	.4634	.8560	.2958
31	.172	.3904	.3904	.2673	.6234	1.1689	.3969
32	.178	.4496	.4496	.3665	.9224	1.7082	.5873
33	.183	.3298	.3298	.2667	.6709	1.2399	.4270
34	.189	.1894	.1894	.1021	.3015	.5598	.1920
35	.194	.1678	.1678	.0847	.2712	.4998	.1727
36	.200	.1675	.1675	.0844	.2965	.5428	.1875
37	.206	.1980	.1980	.1149	.4376	.8086	.2786
38	.211	.2198	.2198	.1367	.5702	1.0510	.3631
39	.217	.1649	.1649	.0818	.3748	.6909	.2367
40	.222	.1160	.1225	.0394	.1987	.3662	.1265
41	.228	.0932	.0994	.0123	.0686	.1265	.0437
42	.233	.0794	.0841	.0018	.0061	.0113	.0039
43	.239	.0844	.0909	.0000	.0000	.0000	.0000
44	.244	.0759	.0794	.0000	.0000	.0000	.0000
45	.250	.0824	.0861	.0054	.0258	.0844	.0292
46	.256	.1138	.1107	.0274	.2663	.4799	.1658
47	.261	.1327	.1237	.0446	.4299	.7924	.2738
48	.267	.1158	.1108	.0277	.3286	.6057	.2093
49	.272	.0788	.0845	.0015	.0193	.0355	.0123
50	.278	.0648	.0708	.0000	.0000	.0000	.0000
51	.283	.0748	.0746	.0000	.0000	.0000	.0000
52	.289	.0841	.0807	.0000	.0000	.0000	.0000
53	.294	.0799	.0796	.0000	.0000	.0000	.0000
54	.300	.0739	.0782	.0000	.0000	.0000	.0000
55	.306	.0852	.0886	.0055	.0055	.0102	.0035
56	.311	.1102	.1031	.0200	.0200	.0369	.0128
57	.317	.1070	.1010	.0179	.0179	.0330	.0114
58	.322	.0798	.0840	.0000	.0000	.0000	.0000
59	.328	.0693	.0719	.0000	.0000	.0000	.0000
60	.333	.0694	.0693	.0000	.0000	.0000	.0000



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 13/09/61 AV. T= 9.7 RECORD = DL 69
HOUR = 0 SIG.HGT. = 33.3 UPPER HGT. = 37.1
TOTAL DP =117 CURR. VAR. = 69.4 LOWER HGT. = 29.9
NOISE LEVEL = .0338 WIND SPEED = 0

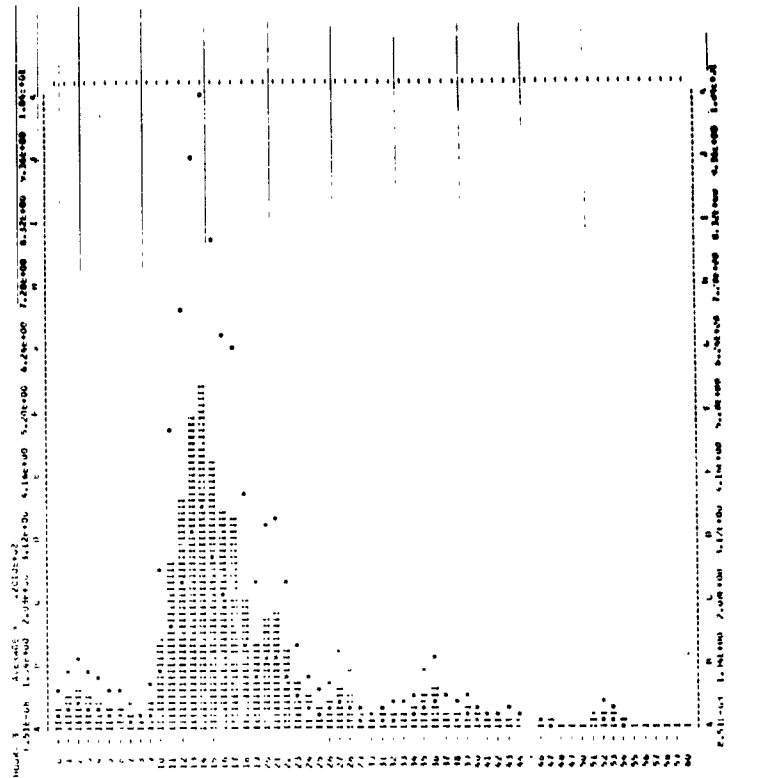
H	PRS. UNIT=FT.2	FILTERED	-NOISE	CURR.FT.2	UPPER	LOWER
0	.000	.5044	.5044	.4706	.4706	.8674	.2997
1	.006	.5196	.5196	.4659	.4859	.4955	.3094
2	.011	.5488	.5488	.5150	.5150	.9492	.3279
3	.017	.4229	.4229	.3891	.3891	.7172	.2478
4	.022	.2082	.2082	.1744	.1744	.3213	.1111
5	.028	.1036	.1036	.0698	.0698	.1287	.0445
6	.033	.0743	.0743	.0405	.0638	.1176	.0406
7	.039	.0897	.0897	.0559	.0742	.1368	.0473
8	.044	.1247	.1247	.0908	.1082	.1995	.0689
9	.050	.4963	.4963	.4625	.5134	.9462	.3269
10	.056	2.0622	2.0622	2.0286	2.1562	3.9742	1.3729
11	.061	3.2626	3.2626	3.2088	3.3291	6.1361	2.1198
12	.067	4.4717	4.4717	4.4180	4.5520	8.3901	2.8985
13	.072	5.5854	5.5854	5.5317	5.8000	10.0628	6.2400
14	.078	12.0604	12.0604	12.0266	12.4476	22.9427	7.9259
15	.083	7.8279	7.8279	7.7941	8.1908	15.1042	5.2179
16	.089	5.1560	5.1560	5.1082	5.3701	8.9766	3.1010
17	.094	3.2806	3.2806	3.2444	3.3825	6.0031	2.2811
18	.100	1.9468	1.9468	1.9131	2.1779	4.0141	1.3867
19	.106	1.3231	1.3231	1.2893	1.5220	2.8055	.9691
20	.111	1.2185	1.2185	1.1848	1.3969	2.6818	.9264
21	.117	1.1145	1.1145	1.0807	1.7696	3.2617	1.1268
22	.122	.9454	.9454	.9117	1.2238	2.2557	.7793
23	.128	.4807	.4807	.4469	.6304	1.1619	.4014
24	.133	.5096	.5096	.4756	.7071	1.3033	.4504
25	.139	.4180	.4180	.3842	.5964	1.1141	.3849
26	.144	.3224	.3224	.2887	.4816	.8877	.3067
27	.150	.3467	.3467	.3130	.5551	1.0231	.3535
28	.156	.3621	.3621	.3083	.5833	1.0751	.3714
29	.161	.2424	.2424	.2736	.5233	.9645	.3332
30	.167	.2622	.2622	.2286	.4957	.9136	.3156
31	.172	.1857	.1857	.1520	.3544	.6532	.2257
32	.178	.1361	.1361	.1023	.2575	.4746	.1640
33	.183	.1358	.1358	.1020	.2773	.5112	.1766
34	.189	.1537	.1537	.1199	.3536	.6516	.2251
35	.194	.1544	.1544	.1207	.3863	.7121	.2460
36	.200	.1231	.1231	.0893	.3118	.5746	.1949
37	.206	.1151	.1151	.0813	.3097	.5708	.1972
38	.211	.0909	.0909	.0571	.2716	.5006	.1729
39	.217	.0806	.0886	.0468	.2145	.3951	.1366
40	.222	.0802	.0762	.0426	.2139	.3943	.1362
41	.228	.0638	.0651	.0293	.1631	.3005	.1038
42	.233	.0644	.0585	.0167	.1038	.1914	.0661
43	.239	.0694	.0691	.0196	.1847	.1930	.0667
44	.244	.0833	.0725	.0188	.1423	.2622	.0906
45	.250	.0948	.0594	.0217	.1832	.3377	.1167
46	.256	.0683	.0598	.0220	.2081	.3836	.1325
47	.261	.0485	.0488	.0165	.1564	.2781	.0961
48	.267	.0348	.0391	.0053	.0629	.1160	.0401
49	.272	.0262	.0388	.0062	.0564	.1040	.0359
50	.278	.0407	.0379	.0032	.0302	.0558	.0347
51	.283	.0282	.0307	.0000	.0000	.0000	.0000
52	.289	.0268	.0318	.0000	.0000	.0000	.0000
53	.294	.0478	.0425	.0000	.1987	.3951	.1827
54	.300	.0562	.0462	.0136	.3118	.5761	.1993
55	.306	.0375	.0393	.0055	.1978	.3929	.1295
56	.311	.0320	.0322	.0000	.0000	.0000	.0000
57	.317	.0275	.0280	.0000	.0000	.0000	.0000
58	.322	.0250	.0267	.0000	.0000	.0000	.0000
59	.328	.0292	.0291	.0000	.0000	.0000	.0000
60	.333	.0331	.0312	.0000	.0000	.0000	.0000



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 1/08/61 AV. T= 9.6 RECORD = DL 70
HOUR = 1 SIG.HGT. = 28.2 UPPER HGT. = 30.8
TOTAL DF =172 CORR. VAR. = 89.6 LOWER HGT. = 25.8
NOISE LEVEL = .0237 WIND SPEED = 0

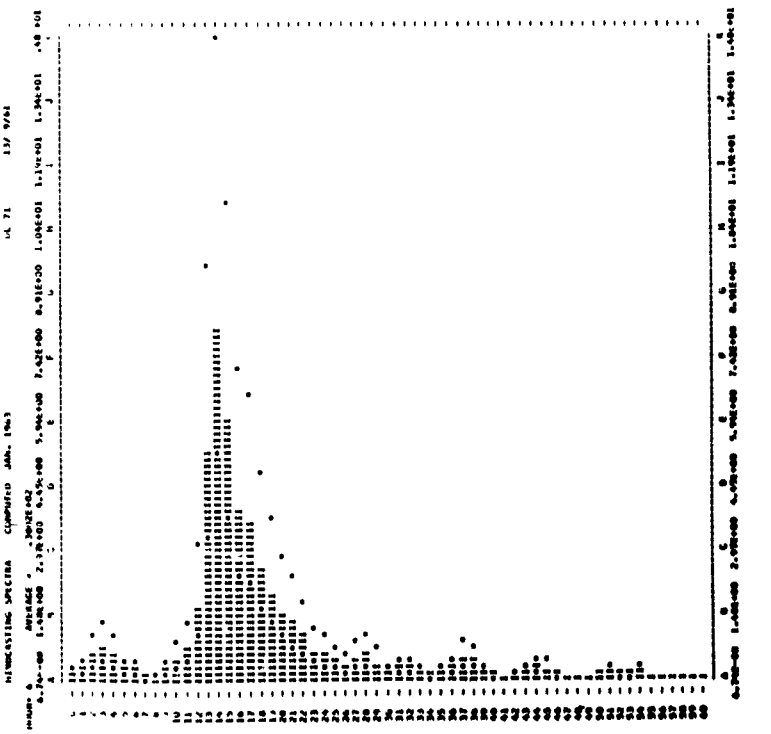
N	FREQ. UNIT=FT.2	FILTERED	-NOISE	CURR.PT.2	UPPER	LOWER
0	.000	.1706	.1701	.1667	.4630	.2208
1	.006	.9667	.9667	.9230	.9634	.1330
2	.011	.6923	.6923	.6285	1.1986	.4002
3	.017	.9569	.9569	.9304	.9789	.1180
4	.022	.6718	.6718	.6482	.8240	.2856
5	.028	.3697	.3697	.3260	.6004	.2076
6	.033	.2282	.2282	.2046	.3273	.2042
7	.039	.1762	.1762	.1505	.3192	.1673
8	.044	.1217	.1217	.0980	.1167	.2752
9	.050	.1776	.1776	.1538	.3926	.7237
10	.056	1.3681	1.3681	1.3365	1.4195	2.6146
11	.061	2.9830	2.9830	2.9594	2.8953	4.8962
12	.067	5.6797	5.6797	5.6580	5.7500	8.9117
13	.072	4.9857	4.9857	4.9620	5.0410	9.1836
14	.078	9.4730	9.4730	9.4496	9.4401	10.5455
15	.083	4.1697	4.1697	4.1420	4.1961	9.0268
16	.089	3.9009	3.9009	3.8772	3.4867	6.4228
17	.094	3.0419	3.0419	3.0178	3.3850	6.2391
18	.100	1.8909	1.8909	1.8672	2.0801	3.8360
19	.106	1.1661	1.1661	1.1205	1.3237	2.4380
20	.111	1.4969	1.4969	1.4712	1.8066	3.1459
21	.117	1.4869	1.4869	1.4632	1.8698	3.4034
22	.122	.9866	.9866	.9628	1.2974	2.3821
23	.128	.5486	.5486	.5261	.7404	1.3646
24	.133	.3498	.3498	.3221	.4740	.7823
25	.139	.2515	.2515	.2277	.3585	.4607
26	.144	.2686	.2686	.2449	.4046	.7532
27	.150	.3920	.3920	.3683	.6933	1.2081
28	.156	.2870	.2870	.2634	.4981	.7181
29	.161	.1088	.1088	.0851	.1721	.3173
30	.167	.0827	.0827	.0591	.1282	.2363
31	.172	.1017	.1017	.0780	.1817	.3393
32	.178	.1169	.1169	.0932	.2366	.4323
33	.183	.1163	.1163	.0927	.2919	.4663
34	.189	.1193	.1193	.0956	.2818	.5194
35	.194	.1902	.1902	.1665	.5332	.9827
36	.200	.1939	.1939	.1703	.5962	1.0942
37	.206	.0918	.0918	.0682	.2597	.4787
38	.211	.0722	.0722	.0486	.2027	.3735
39	.217	.0696	.0696	.0461	.2838	.5237
40	.224	.0557	.0576	.0340	.1712	.3156
41	.228	.0385	.0347	.0161	.0845	.1646
42	.233	.0362	.0389	.0153	.0743	.1736
43	.239	.0501	.0491	.0214	.1660	.2902
44	.244	.0440	.0440	.0173	.1316	.2422
45	.250	.0260	.0306	.0067	.0564	.1049
46	.256	.0257	.0273	.0037	.0347	.0640
47	.261	.0321	.0289	.0053	.0956	.1024
48	.267	.0299	.0267	.0020	.0238	.0439
49	.272	.0189	.0211	.0000	.0000	.0000
50	.278	.0208	.0224	.0030	.0000	.0000
51	.283	.0290	.0274	.0084	.0981	.1808
52	.289	.0189	.0191	.0014	.2208	.4069
53	.294	.0334	.0321	.0084	.1897	.3497
54	.300	.0232	.0258	.0021	.0531	.0980
55	.306	.0232	.0231	.0000	.0000	.0000
56	.311	.0230	.0229	.0000	.0000	.0000
57	.317	.0195	.0195	.0000	.0000	.0000
58	.322	.0161	.0168	.0003	.0000	.0000
59	.328	.0158	.0161	.0003	.0000	.0000
60	.333	.0168	.0161	.0000	.0000	.0000



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 13/ 9/61 AV. T= 9.3 RECORD = DL 71
HOUR = 6 SIG.HGT. = 27.7 UPPER HGT. = 30.7
TOTAL DF =180 CORR. VAR. = 46.1 LOWER HGT. = 25.1
NOISE LEVEL = .0281 WIND SPEED = 0

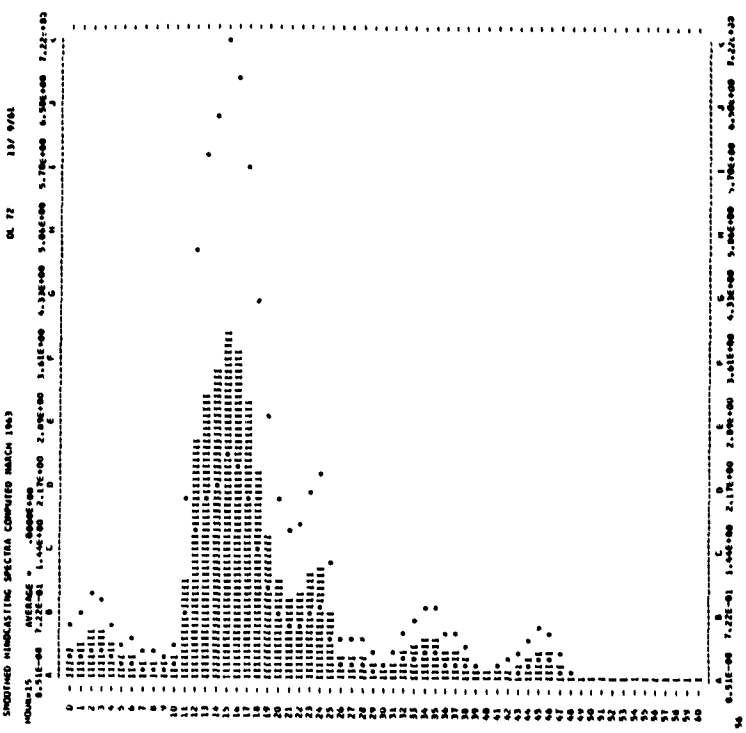
N	FREQ. UNIT=FT.2	FILTERED	-NOISE	CURR.PT.2	UPPER	LOWER
0	.000	.1540	.1540	.1259	.2321	.0402
1	.006	.2670	.2670	.2389	.4403	.1521
2	.011	.5626	.5626	.5343	.9848	.3402
3	.017	.7559	.7559	.7278	1.3415	.4634
4	.022	.5798	.5798	.5517	1.0169	.4513
5	.028	.3099	.3099	.2818	.5195	.1735
6	.033	.1731	.1731	.1450	.2712	.1455
7	.039	.1022	.1022	.0742	.0985	.1815
8	.044	.0827	.0827	.0546	.0650	.1198
9	.050	.2321	.2321	.2040	.2265	.4176
10	.056	.4581	.4581	.4301	.4972	.8626
11	.061	.7587	.7587	.7306	.7372	1.3388
12	.067	1.6823	1.6823	1.6542	1.6967	3.1273
13	.072	5.0757	5.0757	5.0476	5.1749	9.5454
14	.078	7.8116	7.8116	7.7836	8.0560	14.8048
15	.083	5.6628	5.6628	5.6347	5.9293	10.9194
16	.089	3.6322	3.6322	3.6042	3.8323	7.0635
17	.094	3.2287	3.2287	3.2008	3.5316	6.5092
18	.100	2.2653	2.2653	2.2372	2.5468	4.6991
19	.106	1.7364	1.7364	1.7083	1.9907	3.6692
20	.111	1.2829	1.2829	1.2548	1.5409	2.8402
21	.117	1.0182	1.0182	.9901	1.2690	2.3390
22	.122	.7670	.7670	.7389	.9919	1.8282
23	.128	.5007	.5007	.4726	.6666	1.2287
24	.133	.3904	.3904	.3623	.5338	.9930
25	.139	.2734	.2734	.2453	.3859	.7113
26	.144	.2243	.2243	.1962	.3273	.6033
27	.150	.2896	.2896	.2616	.4648	.8544
28	.156	.3236	.3236	.2955	.5591	1.0305
29	.161	.2111	.2111	.1830	.3702	.6822
30	.167	.1179	.1179	.0899	.1951	.3595
31	.172	.1236	.1236	.0955	.2228	.4106
32	.178	.1256	.1256	.0975	.2656	.4523
33	.183	.0855	.0855	.0574	.1568	.2876
34	.189	.0675	.0675	.0394	.1161	.2141
35	.194	.0758	.0758	.0478	.1530	.2819
36	.200	.1036	.1036	.0755	.2835	.4856
37	.206	.1447	.1447	.1186	.4442	.8187
38	.211	.1257	.1257	.0976	.4072	.7505
39	.217	.0689	.0689	.0409	.1873	.3452
40	.222	.0633	.0659	.0378	.0899	.1658
41	.228	.0280	.0330	.0049	.0273	.0503
42	.233	.0325	.0381	.0100	.0614	.1132
43	.239	.0502	.0544	.0263	.1793	.3304
44	.244	.0868	.0811	.0530	.2946	.5428
45	.250	.0520	.0522	.0241	.2018	.3796
46	.256	.0381	.0380	.0099	.0935	.1724
47	.261	.0236	.0262	.0000	.0000	.0000
48	.267	.0193	.0224	.0000	.0000	.0000
49	.272	.0275	.0281	.0000	.0003	.0005
50	.278	.0380	.0396	.0078	.1178	.2171
51	.283	.0399	.0373	.0092	.1568	.2891
52	.289	.0312	.0337	.0057	.1096	.2017
53	.294	.0326	.0333	.0053	.1157	.2132
54	.300	.0368	.0336	.0055	.1324	.2440
55	.306	.0270	.0275	.0000	.0000	.0000
56	.311	.0189	.0213	.0000	.0000	.0000
57	.317	.0213	.0213	.0000	.0000	.0000
58	.322	.0243	.0236	.0000	.0000	.0000
59	.328	.0245	.0245	.0000	.0000	.0000
60	.333	.0243	.0249	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 13/ 9/61 AV. T= 9.0 RECORD = DL 72
HOUR = 15 SIG.HGT. = 24.9 UPPER HGT. = 37.2
TOTAL DF =176 CORR. VAR. = 58.9 LOWER HGT. = 22.9
NOISE LEVEL = .0344 WIND SPEED = 0

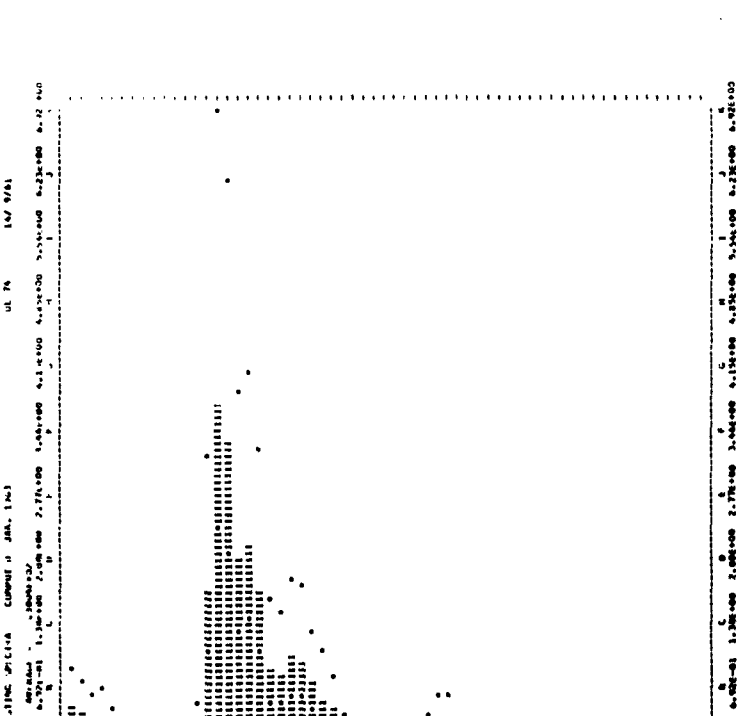
N	FRQ. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.3629	.3629	.3085	.5686	.1944
1	.006	.4285	.4285	.3936	.7260	.2598
2	.011	.5291	.5291	.4947	.9118	.3198
3	.017	.5891	.5891	.4707	.8678	.2997
4	.022	.3674	.3674	.3338	.6138	.2126
5	.028	.2297	.2297	.1953	.3600	.1244
6	.033	.1719	.1719	.1379	.2164	.1393
7	.039	.1401	.1401	.1277	.1690	.1125
8	.044	.1951	.1951	.1297	.1937	.0915
9	.050	.1301	.1301	.1047	.1162	.0760
10	.056	.2098	.2098	.1711	.1819	.1352
11	.061	1.0849	1.0849	1.0505	1.8099	2.0000
12	.067	2.6107	2.6107	2.5763	2.6425	4.0706
13	.072	3.1571	3.1571	3.1227	3.2039	5.7852
14	.078	3.5682	3.5682	3.5258	3.6422	6.3645
15	.083	3.7611	3.7611	3.7268	3.9103	7.2219
16	.089	3.5121	3.5121	3.4777	3.8978	6.8157
17	.094	2.8716	2.8716	2.8372	3.1386	5.7701
18	.100	2.0644	2.0644	2.0300	2.3110	4.2594
19	.106	1.3907	1.3907	1.3563	1.5099	2.5609
20	.111	.9281	.9281	.8937	.9828	1.8187
21	.117	.7251	.7251	.6907	.8053	1.6317
22	.122	.7339	.7339	.6995	.9398	1.7307
23	.128	.8434	.8434	.8090	1.1411	2.1032
24	.133	.8729	.8729	.8385	1.2469	2.1983
25	.139	.4989	.4989	.4581	.7159	1.3194
26	.144	.1772	.1772	.1428	.2383	.4391
27	.150	.1583	.1583	.1239	.2198	.4058
28	.156	.1600	.1600	.1256	.2376	.4388
29	.161	.1056	.1056	.0712	.1448	.2655
30	.167	.0662	.0662	.0318	.0698	.1272
31	.172	.1079	.1079	.0735	.1716	.3159
32	.178	.1492	.1492	.1148	.2889	.5326
33	.183	.1616	.1616	.1272	.3457	.6373
34	.189	.1841	.1841	.1497	.4413	.8134
35	.194	.1630	.1630	.1286	.4118	.7589
36	.200	.1183	.1183	.0739	.2649	.4882
37	.206	.1017	.1017	.0673	.2563	.4725
38	.211	.0858	.0858	.0514	.2144	.3952
39	.217	.0489	.0489	.0145	.0665	.1225
40	.222	.0431	.0468	.0117	.0985	.1083
41	.228	.0491	.0479	.0132	.0731	.1348
42	.233	.0489	.0509	.0165	.1014	.1868
43	.239	.0366	.0369	.0225	.1535	.2829
44	.244	.0455	.0469	.0385	.2312	.4261
45	.250	.0719	.0698	.0354	.2998	.5511
46	.256	.0698	.0668	.0304	.2874	.5296
47	.261	.0478	.0498	.0154	.1629	.3003
48	.267	.0338	.0371	.0027	.0324	.0597
49	.272	.0331	.0316	.0000	.0000	.0000
50	.278	.0265	.0281	.0000	.0000	.0000
51	.283	.0264	.0287	.0000	.0000	.0000
52	.289	.0354	.0331	.0000	.0000	.0000
53	.294	.0353	.0373	.0000	.0000	.0000
54	.300	.0234	.0257	.0000	.0000	.0000
55	.306	.0208	.0263	.0000	.0000	.0000
56	.311	.0321	.0318	.0000	.0000	.0000
57	.317	.0420	.0400	.0056	.0103	.0036
58	.322	.0436	.0436	.0087	.0087	.0159
59	.328	.0424	.0427	.0083	.0083	.0153
60	.333	.0422	.0423	.0079	.0079	.0146



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 14/ 9/61 AV. T= 9.2 RECORD = DL 76
HOUR = 0 SIG.HGT. = 20.5 UPPER HGT. = 27.6
TOTAL DF =142 CORR. VAR. = 76.4 LOWER HGT. = 18.7
NOISE LEVEL = .0154 WIND SPEED = 0

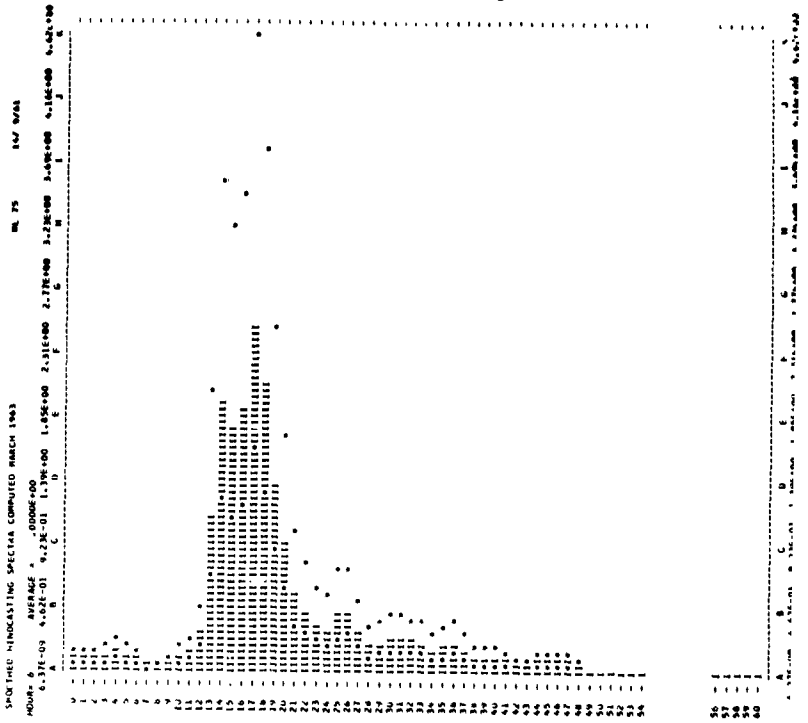
N	FRQ. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.4891	.4891	.4737	.8731	.1014
1	.006	.4160	.4160	.4006	.7384	.0751
2	.011	.3637	.3637	.3483	.6419	.0276
3	.017	.3824	.3824	.3670	.6765	.2357
4	.022	.2602	.2602	.2448	.4512	.1599
5	.028	.1251	.1251	.1097	.2022	.0699
6	.033	.0900	.0900	.0746	.1376	.0748
7	.039	.0668	.0668	.0514	.0682	.1258
8	.044	.0655	.0655	.0501	.0596	.1099
9	.050	.0693	.0693	.0539	.0598	.1102
10	.056	.0673	.0673	.0519	.0952	.1017
11	.061	.1323	.1323	.1169	.1214	.2235
12	.067	.3161	.3161	.2987	.3064	.5648
13	.072	1.0942	1.0942	1.0788	1.7225	3.1764
14	.078	3.0451	3.0451	3.0297	3.7584	6.9263
15	.083	3.1942	3.1942	3.1788	3.3627	6.1801
16	.089	1.9984	1.9984	1.9830	2.1064	3.8824
17	.094	2.0396	2.0396	2.0242	2.7335	4.1157
18	.100	1.5908	1.5908	1.5754	1.7677	3.2213
19	.106	.7863	.7863	.7709	.9077	1.6730
20	.111	.6952	.6952	.6798	.8369	1.5398
21	.117	.8138	.8138	.7984	1.0213	1.8862
22	.122	.7673	.7673	.7519	.9625	1.8107
23	.128	.9336	.9336	.9182	1.1732	1.9478
24	.133	.4106	.4106	.3952	.5976	1.0427
25	.139	.3037	.3037	.2883	.4535	.7866
26	.144	.1958	.1958	.1804	.2362	.4317
27	.150	.1025	.1025	.0871	.1594	.2866
28	.156	.1068	.1068	.0894	.1690	.3116
29	.161	.1078	.1078	.0924	.1670	.3446
30	.167	.1096	.1096	.0992	.1959	.3604
31	.172	.0960	.0960	.0786	.1836	.3360
32	.178	.0829	.0829	.0675	.1145	.2202
33	.183	.0676	.0676	.0522	.0974	.1812
34	.189	.0856	.0698	.0702	.2069	.3813
35	.194	.1256	.1256	.1100	.3521	.6489
36	.200	.1087	.1087	.0933	.3294	.6062
37	.206	.0815	.0815	.0661	.1794	.3233
38	.211	.0668	.0668	.0768	.1192	.2196
39	.217	.0496	.0496	.0360	.1957	.3870
40	.222	.0492	.0492	.0279	.1406	.2592
41	.228	.0313	.0360	.0186	.1057	.1911
42	.233	.0261	.0251	.0097	.0594	.1798
43	.239	.0186	.0189	.0035	.0237	.0636
44	.244	.0163	.0163	.0000	.0000	.0000
45	.250	.0181	.0189	.0000	.0000	.0000
46	.256	.0098	.0110	.0000	.0000	.0000
47	.261	.0159	.0192	.0000	.0000	.0000
48	.267	.0201	.0188	.0026	.0311	.0573
49	.272	.0168	.0178	.0016	.0217	.0399
50	.278	.0161	.0168	.0014	.0214	.0394
51	.283	.0102	.0100	.0028	.0469	.0824
52	.289	.0177	.0101	.0027	.0514	.0943
53	.294	.0176	.0172	.0018	.0298	.0720
54	.300	.0157	.0155	.0001	.0030	.0056
55	.306	.0150	.0162	.0000	.0002	.0000
56	.311	.0142	.0146	.0000	.0000	.0000
57	.317	.0138	.0155	.0000	.0000	.0000
58	.322	.0151	.0149	.0000	.0000	.0000
59	.328	.0134	.0134	.0000	.0000	.0000
60	.333	.0114	.0124	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 14/ 9/61 Av. T= 8.6 RECORD = DL 75
HOUR = 6 SIG.HGT. = 18.0 UPPER HGT. = 19.7
TOTAL DF =194 COMP. VAR. = 20.2 LOWER HGT. = 16.6
NOISE LEVEL = .0124 WIND SPEED = 0

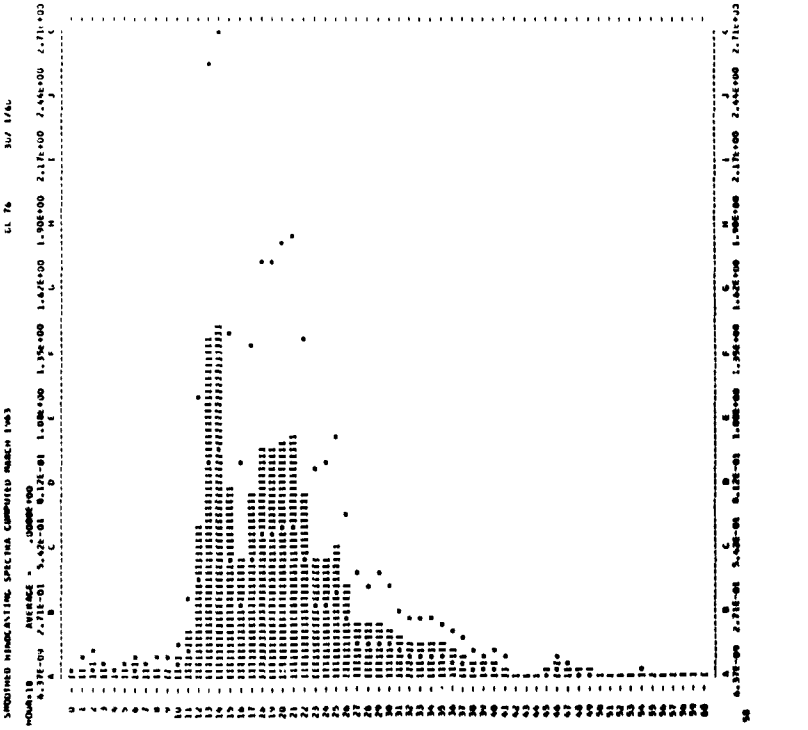
M	FRQ.	UNIT*FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0914	.0914	.0790	.0790	.1496	.0583
1	.006	.0903	.0903	.0779	.0779	.1435	.0496
2	.011	.0941	.0941	.0817	.0817	.1509	.0520
3	.017	.1211	.1211	.1087	.1087	.2003	.0698
4	.022	.1449	.1449	.1325	.1325	.2442	.0845
5	.028	.1075	.1075	.0951	.0951	.1752	.0605
6	.033	.0972	.0972	.0848	.0709	.1300	.0449
7	.039	.0862	.0862	.0738	.0316	.0582	.0201
8	.044	.0790	.0790	.0666	.0197	.0364	.0126
9	.050	.0756	.0756	.0632	.0479	.0883	.0305
10	.056	.1136	.1136	.1011	.1076	.1980	.0684
11	.061	.1240	.1240	.1116	.1158	.2134	.0737
12	.067	.2685	.2685	.2561	.2627	.4841	.1672
13	.072	1.0882	1.0882	1.0758	1.1037	2.0344	.7028
14	.078	1.0815	1.0815	1.0691	1.0369	1.9459	1.2318
15	.083	1.6856	1.6856	1.6732	1.7902	3.2626	1.1201
16	.089	1.7875	1.7875	1.7751	1.9874	3.6788	1.2018
17	.094	2.2827	2.2827	2.2703	2.5050	4.6171	1.5950
18	.100	1.8200	1.8200	1.8076	2.0577	3.7927	1.3107
19	.106	1.1534	1.1534	1.1410	1.3469	2.4826	.8576
20	.111	.7609	.7609	.7485	.9191	1.6941	.5852
21	.117	.4337	.4337	.4213	.5399	.9952	.3438
22	.122	.3399	.3399	.3235	.4342	.8003	.2765
23	.128	.2512	.2512	.2388	.3368	.6207	.2166
24	.133	.2134	.2134	.2010	.2989	.5508	.1903
25	.139	.2654	.2654	.2530	.1979	.7335	.2534
26	.144	.2932	.2932	.2428	.4050	.7465	.2579
27	.150	.1846	.1846	.1522	.2649	.4976	.1718
28	.156	.1045	.1045	.0921	.1742	.3210	.1109
29	.161	.1138	.1138	.1014	.2051	.3780	.1306
30	.167	.1168	.1168	.1044	.2265	.4175	.1442
31	.172	.1060	.1060	.0936	.2182	.4022	.1389
32	.178	.0968	.0968	.0844	.2124	.3916	.1352
33	.183	.0830	.0830	.0706	.1918	.3535	.1221
34	.189	.0670	.0670	.0546	.1609	.2965	.1024
35	.194	.0646	.0646	.0522	.1670	.3079	.1064
36	.200	.0684	.0684	.0560	.1953	.3602	.1244
37	.206	.0544	.0544	.0420	.1599	.2946	.1018
38	.211	.0339	.0339	.0215	.0896	.1651	.0570
39	.217	.0336	.0336	.0212	.0970	.1788	.0618
40	.222	.0335	.0335	.0211	.1042	.1958	.0676
41	.228	.0278	.0278	.0154	.0856	.1578	.0545
42	.233	.0270	.0270	.0096	.0542	.1041	.0377
43	.239	.0209	.0209	.0085	.0581	.1071	.0370
44	.244	.0227	.0219	.0094	.0716	.1320	.0456
45	.250	.0217	.0213	.0089	.0754	.1390	.0480
46	.256	.0193	.0201	.0077	.0727	.1339	.0463
47	.261	.0202	.0193	.0068	.0724	.1335	.0461
48	.267	.0174	.0167	.0043	.0510	.0940	.0325
49	.272	.0117	.0131	.0007	.0096	.0177	.0061
50	.278	.0114	.0116	.0000	.0000	.0000	.0000
51	.283	.0116	.0116	.0000	.0000	.0000	.0000
52	.289	.0116	.0119	.0000	.0000	.0000	.0000
53	.294	.0128	.0121	.0000	.0000	.0000	.0000
54	.300	.0113	.0117	.0000	.0000	.0000	.0000
55	.306	.0114	.0127	.0003	.0077	.0143	.0049
56	.311	.0167	.0153	.0029	.0029	.0054	.0019
57	.317	.0166	.0154	.0030	.0030	.0055	.0019
58	.322	.0118	.0126	.0002	.0002	.0003	.0001
59	.328	.0102	.0106	.0000	.0000	.0000	.0000
60	.333	.0102	.0102	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 30/ 1/60 Av. T= 8.6 RECORD = DL 76
HOUR = 18 SIG.HGT. = 15.5 UPPER HGT. = 16.7
TOTAL DF =187 COMP. VAR. = 14.7 LOWER HGT. = 14.1
NOISE LEVEL = .0230 WIND SPEED = 45

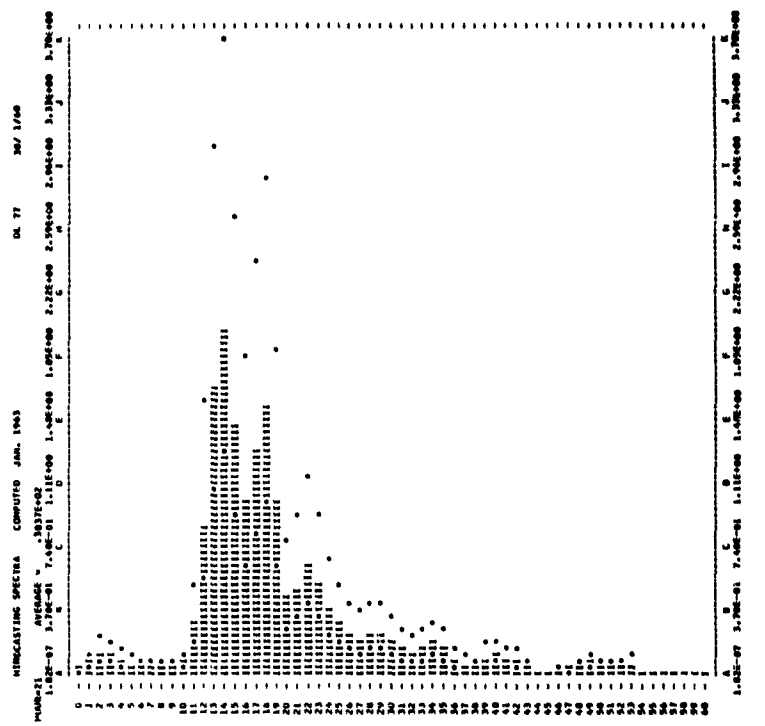
M	FRQ.	UNIT*FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0360	.0360	.0130	.0130	.0239	.0083
1	.006	.0629	.0629	.0399	.0399	.0735	.0254
2	.011	.0795	.0795	.0565	.0565	.1041	.0360
3	.017	.0923	.0923	.0693	.0693	.0539	.0186
4	.022	.0362	.0362	.0132	.0132	.0243	.0084
5	.028	.0452	.0452	.0222	.0222	.0408	.0141
6	.033	.0523	.0523	.0293	.0461	.0850	.0294
7	.039	.0481	.0481	.0251	.0333	.0613	.0212
8	.044	.0554	.0554	.0324	.0385	.0710	.0245
9	.050	.0596	.0596	.0366	.0406	.0748	.0258
10	.056	.0952	.0952	.0722	.0767	.1414	.0488
11	.061	.1471	.1471	.1241	.1806	.3328	.1150
12	.067	.6130	.6130	.6100	.6259	1.1531	.3984
13	.072	1.3839	1.3839	1.3809	1.3962	2.5735	.8890
14	.078	1.4424	1.4424	1.4194	1.4690	2.7077	.9354
15	.083	.7664	.7664	.7436	.7816	1.4405	.4977
16	.089	.4763	.4763	.4533	.4820	.8883	.3069
17	.094	.7057	.7057	.6827	.7532	1.3883	.4796
18	.100	.8536	.8536	.8306	.9455	1.7427	.6020
19	.106	.8148	.8148	.7918	.9367	1.7227	.5951
20	.111	.8191	.8191	.7961	.9776	1.8018	.6225
21	.117	.8024	.8024	.7794	.9989	1.8411	.6360
22	.122	.5940	.5940	.5710	.7869	1.4127	.4880
23	.128	.3605	.3605	.3375	.4760	.8773	.3031
24	.133	.3502	.3502	.3272	.4985	.8967	.3048
25	.139	.3661	.3661	.3431	.5397	.9947	.3466
26	.144	.2450	.2450	.2220	.3701	.6826	.2358
27	.150	.1520	.1520	.1290	.2287	.4216	.1456
28	.156	.1344	.1344	.1114	.2107	.3883	.1341
29	.161	.1359	.1359	.1129	.2283	.4208	.1454
30	.167	.1194	.1194	.0924	.2005	.3695	.1276
31	.172	.0870	.0870	.0640	.1642	.2749	.0950
32	.178	.0755	.0755	.0525	.1320	.2434	.0841
33	.183	.0695	.0695	.0465	.1283	.2328	.0804
34	.189	.0698	.0698	.0468	.1378	.2541	.0878
35	.194	.0611	.0611	.0381	.1219	.2246	.0776
36	.200	.0507	.0507	.0277	.0985	.1779	.0615
37	.206	.0476	.0476	.0244	.0928	.1710	.0591
38	.211	.0376	.0376	.0144	.0598	.1104	.0381
39	.217	.0340	.0340	.0110	.0502	.0926	.0320
40	.222	.0349	.0336	.0106	.0522	.0963	.0333
41	.228	.0298	.0297	.0067	.0372	.0685	.0237
42	.233	.0266	.0260	.0030	.0061	.0112	.0039
43	.239	.0175	.0180	.0000	.0000	.0000	.0000
44	.244	.0183	.0192	.0000	.0000	.0000	.0000
45	.250	.0267	.0248	.0019	.0139	.0296	.0101
46	.256	.0300	.0278	.0048	.0457	.0833	.0288
47	.261	.0246	.0258	.0029	.0308	.0567	.0196
48	.267	.0246	.0246	.0016	.0191	.0352	.0122
49	.272	.0248	.0246	.0013	.0178	.0329	.0114
50	.278	.0233	.0238	.0000	.0000	.0000	.0000
51	.283	.0207	.0215	.0000	.0000	.0000	.0000
52	.289	.0216	.0231	.0000	.0007	.0012	.0004
53	.294	.0288	.0278	.0048	.0048	.0089	.0031
54	.300	.0324	.0307	.0077	.0077	.0142	.0049
55	.306	.0296	.0287	.0057	.0057	.0105	.0036
56	.311	.0237	.0256	.0026	.0026	.0048	.0017
57	.317	.0170	.0188	.0000	.0000	.0000	.0000
58	.322	.0144	.0163	.0000	.0000	.0000	.0000
59	.328	.0144	.0192	.0000	.0000	.0000	.0000
60	.333	.0236	.0215	.0000	.0000	.0000	.0000



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 30/ 1/60 AV. T= 8.7 RECORD = DL 77
HOUR = 21 SIG.HGT. = 16.6 UPPER HGT. = 16.1
TOTAL DP =168 CORR. VAR. = 17.2 LOWER HGT. = 15.2
NOISE LEVEL = .0106 WIND SPEED = 40

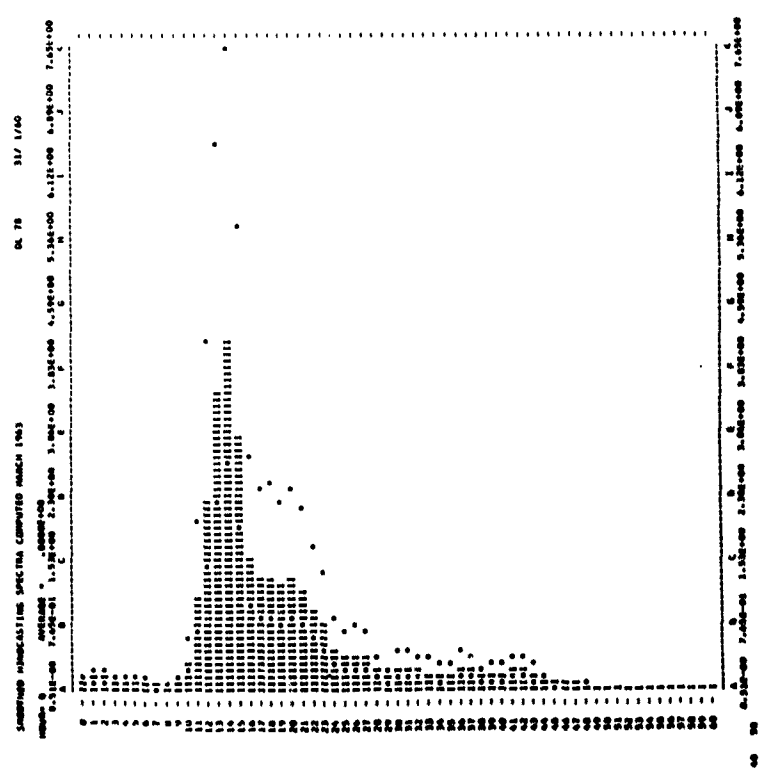
N	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0395	.0395	.0290	.0296	.0184
1	.006	.0779	.0779	.0674	.1242	.0429
2	.011	.1275	.1275	.1169	.2156	.0744
3	.017	.1295	.1295	.1099	.2026	.0708
4	.022	.0912	.0912	.0807	.1487	.0514
5	.028	.0666	.0666	.0588	.0994	.0347
6	.033	.0422	.0422	.0316	.0498	.0217
7	.039	.0399	.0399	.0293	.0398	.0248
8	.044	.0413	.0413	.0307	.0364	.0676	.0233
9	.050	.0434	.0434	.0328	.0264	.0671	.0232
10	.056	.0671	.0671	.0565	.0681	.1108	.0383
11	.061	.2678	.2678	.2772	.2676	.4301	.1831
12	.067	.8649	.8649	.8364	.8958	1.5774	.5444
13	.072	1.4378	1.4378	1.4272	1.4258	2.0772	1.0631
14	.078	1.9305	1.9305	1.9199	2.0078	3.7907	1.2709
15	.083	1.3827	1.3827	1.3721	1.4426	2.6998	.9186
16	.089	.9461	.9461	.9355	.9947	1.8334	.6334
17	.094	1.1926	1.1926	1.1819	1.3041	2.4056	.8304
18	.100	1.3819	1.3819	1.3713	1.5611	2.8773	.9946
19	.106	.8718	.8718	.8612	1.0167	1.8759	.6473
20	.111	.3879	.3879	.3469	.4260	.7852	.2712
21	.117	.2977	.2977	.2872	.4962	.9146	.3160
22	.122	.4704	.4704	.4598	.9174	1.1179	.3931
23	.128	.3720	.3720	.3614	.5098	.9396	.3246
24	.133	.2510	.2510	.2408	.3576	.6591	.2277
25	.139	.1936	.1936	.1830	.2879	.5307	.1833
26	.144	.1474	.1474	.1368	.2282	.4207	.1453
27	.150	.1236	.1236	.1130	.2005	.3695	.1277
28	.156	.1310	.1310	.1204	.2278	.4198	.1450
29	.161	.1181	.1181	.1076	.2176	.4011	.1385
30	.167	.0927	.0927	.0821	.1783	.3286	.1135
31	.172	.0699	.0699	.0594	.1304	.2952	.0822
32	.178	.0613	.0613	.0507	.1277	.2354	.0813
33	.183	.0627	.0627	.0522	.1418	.2614	.0903
34	.189	.0673	.0673	.0568	.1676	.3089	.1066
35	.194	.0516	.0516	.0411	.1315	.2423	.0837
36	.200	.0308	.0308	.0202	.0706	.1302	.0450
37	.206	.0246	.0246	.0141	.0536	.0987	.0341
38	.211	.0214	.0214	.0108	.0458	.0838	.0287
39	.217	.0304	.0304	.0199	.0910	.1677	.0579
40	.222	.0332	.0304	.0199	.1001	.1846	.0638
41	.228	.0258	.0268	.0162	.0902	.1663	.0574
42	.233	.0240	.0226	.0120	.0738	.1361	.0470
43	.239	.0177	.0169	.0063	.0432	.0796	.0275
44	.244	.0091	.0115	.0010	.0074	.0137	.0047
45	.250	.0107	.0110	.0004	.0034	.0063	.0022
46	.256	.0133	.0125	.0020	.0185	.0341	.0118
47	.261	.0128	.0132	.0027	.0282	.0521	.0180
48	.267	.0141	.0143	.0037	.0445	.0819	.0283
49	.272	.0163	.0150	.0045	.0599	.1103	.0381
50	.278	.0135	.0136	.0030	.0428	.0844	.0292
51	.283	.0111	.0124	.0018	.0304	.0564	.0195
52	.289	.0137	.0131	.0025	.0486	.0895	.0309
53	.294	.0137	.0130	.0025	.0540	.0998	.0344
54	.300	.0109	.0109	.0004	.0095	.0176	.0061
55	.306	.0082	.0089	.0000	.0000	.0000	.0000
56	.311	.0083	.0088	.0000	.0000	.0000	.0000
57	.317	.0103	.0096	.0000	.0000	.0000	.0000
58	.322	.0096	.0097	.0000	.0000	.0000	.0000
59	.328	.0093	.0095	.0000	.0000	.0000	.0000
60	.333	.0100	.0094	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 31/ 1/60 AV. T= 9.1 RECORD = DL 78
HOUR = 0 SIG.HGT. = 21.7 UPPER HGT. = 21.9
TOTAL DP =150 CORR. VAR. = 24.5 LOWER HGT. = 19.8
NOISE LEVEL = .0145 WIND SPEED = 40

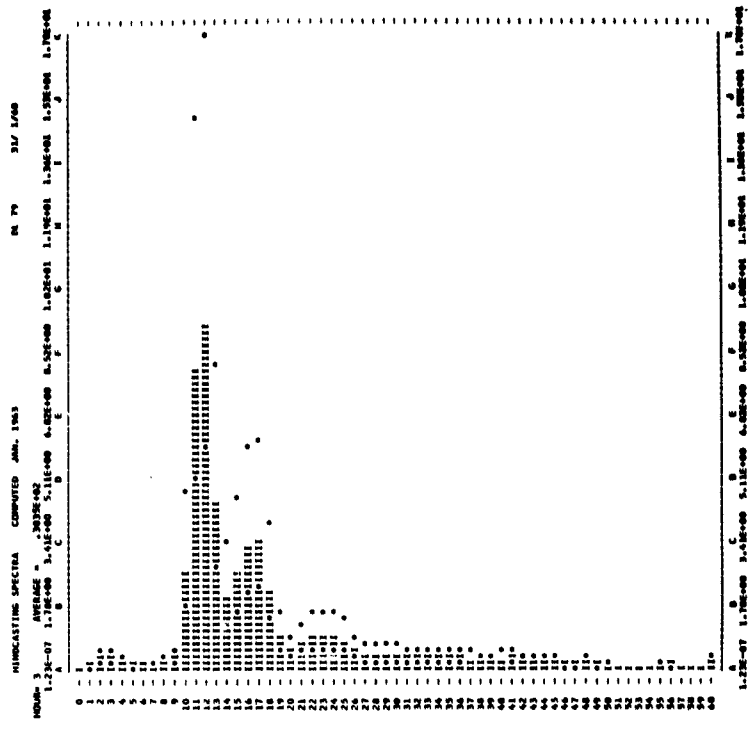
N	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0781	.0781	.0636	.0636	.1172	.0405
1	.006	.1364	.1364	.1219	.1219	.2247	.0776
2	.011	.1577	.1577	.1432	.1432	.2639	.0912
3	.017	.1011	.1011	.0866	.0866	.1596	.0551
4	.022	.0928	.0928	.0775	.0775	.1428	.0493
5	.028	.0859	.0859	.0714	.0714	.1316	.0455
6	.033	.0567	.0567	.0422	.0469	.1225	.0423
7	.039	.0446	.0446	.0301	.0400	.0736	.0254
8	.044	.0495	.0495	.0310	.0369	.0680	.0235
9	.050	.0919	.0919	.0774	.0859	.1583	.0547
10	.056	.3328	.3328	.3183	.3383	.6236	.2154
11	.061	1.0687	1.0687	1.0542	1.0957	2.0199	.6964
12	.067	2.1899	2.1899	2.1754	2.2272	4.1051	1.4181
13	.072	3.4466	3.4466	3.4321	3.5213	6.4903	2.2422
14	.078	4.0248	4.0248	4.0103	4.1907	7.8583	2.6429
15	.083	2.8590	2.8590	2.8445	2.9907	5.5123	1.9043
16	.089	1.4391	1.4391	1.4246	1.5105	2.7841	.9618
17	.094	1.1726	1.1726	1.1581	1.2778	2.3552	.8137
18	.100	1.1830	1.1830	1.1685	1.3342	2.4518	.8470
19	.106	1.0436	1.0436	1.0291	1.2140	2.2391	.7735
20	.111	1.0459	1.0459	1.0314	1.2665	2.3344	.8065
21	.117	.9289	.9289	.9144	1.1728	2.1601	.7462
22	.122	.7861	.7861	.7716	.9284	1.7112	.5911
23	.128	.5348	.5348	.5203	.7339	1.3528	.4673
24	.133	.3195	.3195	.3050	.4476	.8250	.2850
25	.139	.2414	.2414	.2269	.3569	.6579	.2273
26	.144	.2615	.2615	.2470	.4121	.7595	.2624
27	.150	.2195	.2195	.2050	.3636	.6701	.2315
28	.156	.1230	.1230	.1085	.2052	.3783	.1307
29	.161	.0816	.0816	.0671	.1397	.2562	.0864
30	.167	.1226	.1226	.1081	.2346	.4324	.1494
31	.172	.1196	.1196	.1051	.2451	.4517	.1561
32	.178	.0936	.0936	.0791	.1991	.3669	.1268
33	.183	.0838	.0838	.0693	.1803	.3471	.1199
34	.189	.0698	.0698	.0553	.1512	.2787	.0963
35	.194	.0726	.0726	.0581	.1868	.3428	.1184
36	.200	.0698	.0698	.0553	.2628	.4843	.1673
37	.206	.0658	.0658	.0513	.1954	.3601	.1244
38	.211	.0407	.0407	.0262	.1426	.2629	.0908
39	.217	.0919	.0919	.0774	.1714	.3158	.1091
40	.222	.0866	.0401	.0256	.1749	.3224	.1111
41	.228	.0914	.0915	.0770	.2097	.3792	.1310
42	.233	.0966	.0913	.0768	.2263	.4171	.1441
43	.239	.0488	.0390	.0253	.1727	.3183	.1099
44	.244	.0815	.0256	.0111	.0963	.1954	.0537
45	.250	.0189	.0894	.0859	.0498	.0918	.0317
46	.256	.0823	.0811	.0664	.0823	.1168	.0396
47	.261	.0809	.0803	.0658	.0819	.1134	.0392
48	.267	.0172	.0160	.0023	.0172	.0082	.0179
49	.272	.0139	.0151	.0000	.0000	.0000	.0000
50	.278	.0115	.0145	.0000	.0000	.0000	.0000
51	.283	.0153	.0143	.0000	.0000	.0000	.0000
52	.289	.0151	.0147	.0002	.0032	.0060	.0021
53	.294	.0132	.0136	.0000	.0000	.0000	.0000
54	.300	.0128	.0131	.0000	.0000	.0000	.0000
55	.306	.0137	.0135	.0000	.0000	.0000	.0000
56	.311	.0139	.0139	.0000	.0000	.0000	.0000
57	.317	.0125	.0137	.0000	.0000	.0000	.0000
58	.322	.0161	.0139	.0000	.0000	.0019	.0007
59	.328	.0175	.0144	.0021	.0021	.0039	.0013
60	.333	.0194	.0148	.0019	.0019	.0036	.0012



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 31/ 1/60 AV. T= 9.4 RECORD = DL 79
HOUR = 0 SIG.HGT. = 28.3 UPPER HGT. = 31.7
TOTAL DF =110 CORR. VAR. = 30.6 LOWER HGT. = 25.7
NOISE LEVEL = .0172 WIND SPEED = 48

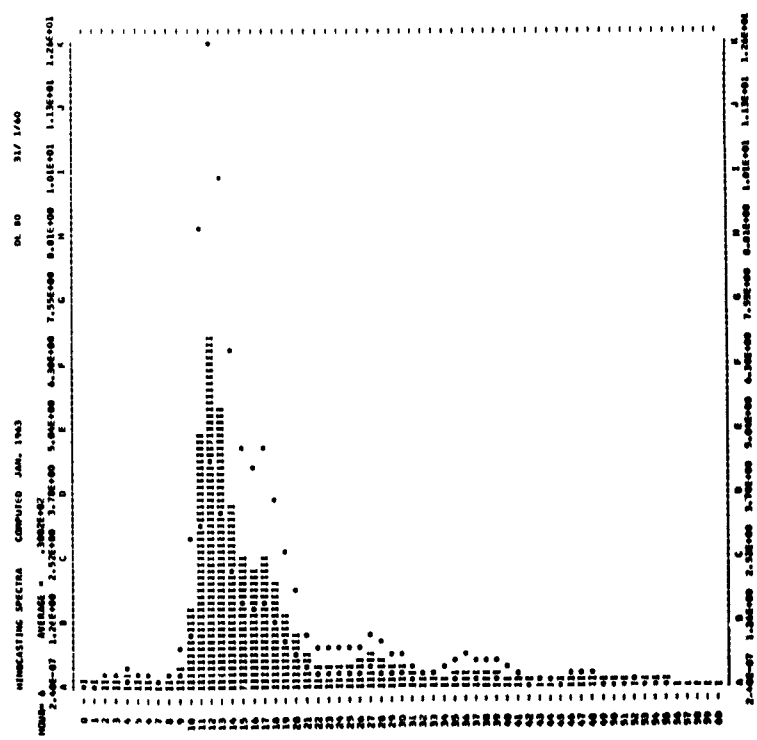
N	FRQ.	UNIT-FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0617	.0617	.0446	.0446	.0821	.0286
1	.006	.1497	.1497	.1328	.1328	.2648	.0844
2	.011	.3000	.3000	.2837	.2837	.5229	.1806
3	.017	.3070	.3070	.2898	.2898	.5341	.1868
4	.022	.2098	.2098	.1928	.1928	.3599	.1222
5	.028	.1298	.1298	.1079	.1079	.1968	.0687
6	.033	.1032	.1032	.0860	.1385	.2497	.0863
7	.039	.0718	.0718	.0547	.0726	.1337	.0462
8	.044	.1268	.1268	.1108	.1617	.2818	.0968
9	.050	.2529	.2529	.2357	.2816	.4821	.1866
10	.056	2.4183	2.4183	2.3951	2.5439	4.6887	1.6198
11	.061	7.0823	7.0823	7.7081	8.0771	14.8873	5.1630
12	.067	9.0332	9.0332	9.0160	9.2477	17.0449	5.8804
13	.072	4.3212	4.3212	4.3041	4.4148	8.1403	2.8118
14	.078	1.7846	1.7846	1.7677	1.8296	3.3722	1.1650
15	.083	2.3707	2.3707	2.3615	2.4828	4.5763	1.5809
16	.089	3.0998	3.0998	3.0883	3.2774	6.0426	2.0869
17	.094	3.0541	3.0541	3.0389	3.1909	5.8762	2.1336
18	.100	1.8898	1.8898	1.8887	2.1273	3.9210	1.3544
19	.106	.7148	.7148	.6976	.8233	1.5179	.5244
20	.111	.4128	.4128	.3957	.4858	.8958	.3094
21	.117	.3781	.3781	.3597	.4918	1.2751	.4403
22	.122	.4616	.4616	.4444	.8450	1.5444	.5508
23	.128	.4199	.4199	.3937	.8018	1.5435	.5332
24	.133	.3431	.3431	.3460	.8119	1.4484	.5170
25	.139	.4979	.4979	.4808	.7563	1.3940	.4814
26	.144	.3147	.3147	.2975	.4944	.9149	.3161
27	.150	.2039	.2039	.1867	.3312	.6144	.2104
28	.156	.2044	.2044	.1772	.3143	.6018	.2213
29	.161	.1973	.1973	.1601	.3693	.6816	.2319
30	.167	.1726	.1726	.1394	.3373	.6218	.2148
31	.171	.1367	.1367	.1193	.2787	.5127	.1771
32	.178	.1232	.1232	.1039	.2539	.4780	.1651
33	.183	.1216	.1216	.1044	.2838	.5230	.1807
34	.189	.1130	.1130	.0958	.2825	.5207	.1799
35	.194	.1155	.1155	.0983	.3156	.5803	.2003
36	.200	.1088	.1088	.0916	.3187	.5855	.2036
37	.206	.0839	.0839	.0667	.2940	.5402	.1818
38	.211	.0687	.0687	.0515	.2150	.3962	.1369
39	.217	.0636	.0636	.0464	.2128	.3917	.1353
40	.222	.0684	.0661	.0490	.2687	.4948	.1571
41	.228	.0642	.0643	.0471	.2620	.4829	.1668
42	.233	.0543	.0547	.0375	.2309	.4255	.1470
43	.239	.0420	.0455	.0283	.1931	.3559	.1230
44	.244	.0437	.0415	.0243	.1644	.3029	.1174
45	.250	.0344	.0368	.0196	.1570	.2893	.1000
46	.256	.0261	.0295	.0123	.1163	.2144	.0741
47	.261	.0292	.0290	.0118	.1250	.2304	.0796
48	.267	.0313	.0294	.0122	.1648	.2665	.0921
49	.272	.0293	.0298	.0086	.1149	.2118	.0732
50	.278	.0211	.0217	.0045	.0683	.1260	.0435
51	.283	.0193	.0187	.0015	.0259	.0476	.0165
52	.289	.0150	.0153	.0000	.0000	.0000	.0000
53	.294	.0119	.0134	.0000	.0000	.0000	.0000
54	.300	.0149	.0136	.0000	.0000	.0000	.0000
55	.306	.0208	.0198	.0027	.0759	.1400	.0483
56	.311	.0228	.0205	.0033	.1089	.2008	.0694
57	.317	.0156	.0164	.0000	.0000	.0000	.0000
58	.322	.0118	.0143	.0000	.0000	.0000	.0000
59	.328	.0182	.0175	.0004	.0179	.0331	.0114
60	.333	.0220	.0201	.0029	.1687	.3110	.1074



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 31/ 1/60 AV. T= 9.5 RECORD = DL 80
HOUR = 6 SIG.HGT. = 26.3 UPPER HGT. = 29.1
TOTAL DF =132 CORR. VAR. = 43.4 LOWER HGT. = 23.8
NOISE LEVEL = .0191 WIND SPEED = 50

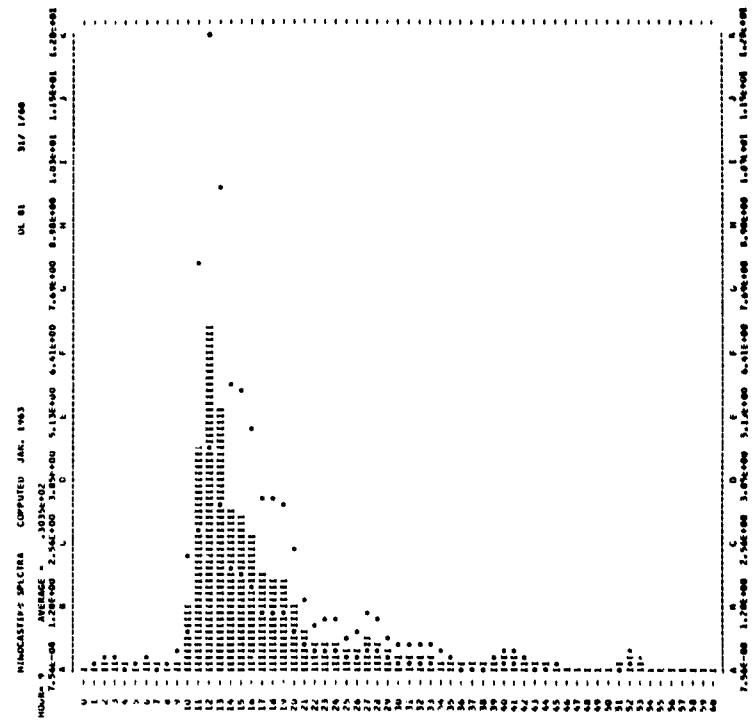
N	FRQ.	UNIT-FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1119	.1119	.0928	.0928	.1710	.0591
1	.006	.1178	.1178	.0987	.0987	.1819	.0628
2	.011	.1242	.1242	.1051	.1051	.1938	.0669
3	.017	.1801	.1801	.1610	.1610	.2967	.1025
4	.022	.2265	.2265	.2074	.2074	.3822	.1320
5	.028	.1571	.1571	.1381	.1381	.2545	.0879
6	.033	.0961	.0961	.0770	.1211	.2236	.0772
7	.039	.0915	.0915	.0324	.0431	.0794	.0274
8	.044	.1056	.1056	.0865	.1010	.1898	.0656
9	.050	.3998	.3998	.3407	.3781	.6969	.2408
10	.056	1.4823	1.4823	1.4632	1.5554	2.8669	.9904
11	.061	4.7981	4.7981	4.6810	4.8585	8.9513	3.0923
12	.067	6.6793	6.6793	6.6602	6.8316	12.5912	4.3498
13	.072	5.2642	5.2642	5.2271	5.3630	9.8849	3.6149
14	.078	3.4718	3.4718	3.4527	3.5735	6.5865	2.2754
15	.083	2.3982	2.3982	2.3791	2.5016	4.6105	1.5927
16	.089	2.2801	2.2801	2.1810	2.3191	4.2744	1.4766
17	.094	2.2699	2.2699	2.2699	2.3044	4.6184	1.5948
18	.100	1.7677	1.7677	1.7486	1.9906	3.6689	1.2679
19	.106	1.2217	1.2217	1.2026	1.4197	2.6167	.9040
20	.111	.8294	.8294	.8103	.9981	1.8340	.6336
21	.117	.4678	.4678	.4679	.5741	1.0581	.3655
22	.122	.3082	.3082	.2892	.3882	.7154	.2472
23	.128	.3178	.3178	.2987	.4213	.7765	.2683
24	.133	.3120	.3120	.2929	.4356	.8030	.2774
25	.139	.2629	.2629	.2438	.3838	.7069	.2442
26	.144	.2841	.2841	.2650	.4421	.8148	.2815
27	.150	.3633	.3633	.3262	.5758	1.0590	.3661
28	.156	.2794	.2794	.2513	.4754	.8763	.3027
29	.161	.1985	.1985	.1794	.3630	.6691	.2311
30	.167	.1763	.1763	.1592	.3369	.6209	.2145
31	.172	.1152	.1152	.0961	.2241	.4131	.1427
32	.178	.0794	.0794	.0963	.1416	.2611	.0902
33	.183	.0731	.0731	.0540	.1467	.2703	.0934
34	.189	.0821	.0821	.0630	.1897	.3623	.1183
35	.194	.1086	.1086	.0895	.2867	.5284	.1825
36	.200	.1077	.1077	.0886	.3092	.5700	.1969
37	.206	.0902	.0902	.0711	.2707	.4989	.1723
38	.211	.0915	.0915	.0724	.3020	.5566	.1923
39	.217	.0749	.0749	.0578	.2649	.4882	.1687
40	.222	.0511	.0536	.0345	.1742	.3210	.1109
41	.228	.0394	.0381	.0191	.1060	.1953	.0675
42	.233	.0307	.0304	.0113	.0695	.1281	.0443
43	.239	.0248	.0291	.0060	.0411	.0758	.0262
44	.244	.0202	.0236	.0045	.0343	.0632	.0218
45	.250	.0293	.0292	.0101	.0892	.1571	.0543
46	.256	.0288	.0348	.0157	.1487	.2741	.0947
47	.261	.0341	.0395	.0144	.1524	.2809	.0970
48	.267	.0277	.0298	.0099	.1181	.2177	.0752
49	.272	.0269	.0264	.0073	.0982	.1811	.0625
50	.278	.0259	.0259	.0058	.0870	.1618	.0559
51	.283	.0232	.0237	.0041	.0783	.1297	.0448
52	.289	.0216	.0222	.0031	.0668	.1128	.0387
53	.294	.0226	.0223	.0032	.0713	.1313	.0454
54	.300	.0228	.0222	.0031	.0776	.1406	.0493
55	.306	.0211	.0213	.0022	.0637	.1174	.0409
56	.311	.0205	.0196	.0006	.0182	.0335	.0116
57	.317	.0164	.0165	.0000	.0000	.0000	.0000
58	.322	.0183	.0179	.0000	.0000	.0000	.0000
59	.328	.0162	.0163	.0000	.0000	.0000	.0000
60	.333	.0164	.0155	.0000	.0000	.0000	.0000



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 31/ 1/60 Av. T= 9.7 RECORD = DL 81
HOUR = 9 SIG.HGT. = 26.0 UPPER HGT. = 26.8
TOTAL DP =120 CORR. VAR. = 42.4 LOWER HGT. = 25.9
NOISE LEVEL = .0206 WIND SPEED = 40

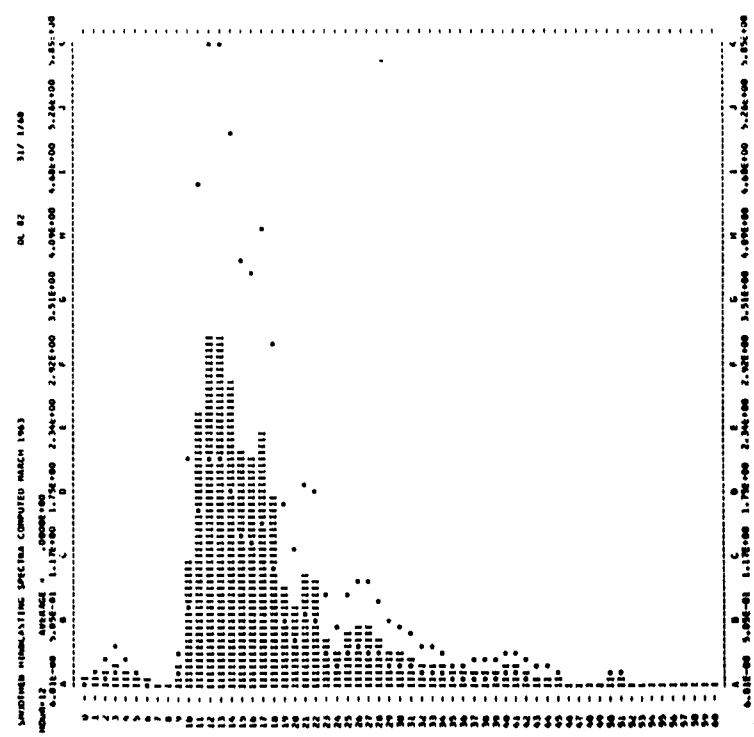
M	FRE.	UNIT-FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0421	.0421	.0215	.0215	.0307	.0137
1	.006	.0726	.0726	.0520	.0520	.0958	.0331
2	.011	.1393	.1393	.1188	.1188	.2189	.0796
3	.017	.1657	.1657	.1451	.1451	.2675	.0926
4	.022	.1168	.1168	.0962	.0962	.1773	.0612
5	.028	.0744	.0744	.0539	.0539	.0993	.0349
6	.033	.0871	.0871	.0665	.1068	.1931	.0667
7	.039	.0889	.0889	.0683	.0907	.1671	.0577
8	.044	.0545	.0943	.0337	.0401	.0748	.0256
9	.050	.1833	.1833	.1628	.1807	.3330	.1150
10	.056	1.1722	1.1722	1.1517	1.2262	2.2564	.7795
11	.061	4.3189	4.3189	4.2979	4.4991	8.2186	2.8393
12	.067	6.8027	6.8027	6.7821	6.9975	12.8237	4.4301
13	.072	5.1949	5.1949	5.1743	5.3088	9.7890	3.3804
14	.078	3.0714	3.0714	3.0508	3.1576	5.8199	2.0106
15	.083	2.9038	2.9038	2.8824	3.0305	5.5857	1.9297
16	.089	2.3156	2.3156	2.2950	2.4529	4.5208	1.6192
17	.094	1.7243	1.7243	1.7037	1.8794	3.4644	1.1970
18	.100	1.4423	1.4423	1.4217	1.5575	2.8237	1.1827
19	.106	1.5692	1.5692	1.5486	1.8281	3.3695	1.1640
20	.111	1.0863	1.0863	1.0658	1.3087	2.4122	.8335
21	.117	.9322	.9322	.9116	.7860	1.4449	.4992
22	.122	.4008	.4003	.3802	.5104	.9408	.3250
23	.128	.4136	.4136	.3930	.5543	1.0217	.3530
24	.133	.3904	.3904	.3698	.4500	1.0137	.3502
25	.139	.2601	.2601	.2395	.3768	.6944	.2399
26	.144	.2591	.2591	.2385	.3979	.7334	.2533
27	.150	.1786	.1786	.1581	.6350	1.1705	.4044
28	.156	.3165	.3165	.2959	.9547	1.0317	.3564
29	.161	.1856	.1856	.1651	.3339	.6155	.2126
30	.167	.1436	.1436	.1230	.2670	.4921	.1700
31	.172	.1311	.1311	.1106	.2578	.4752	.1642
32	.178	.1348	.1348	.1142	.2875	.5300	.1831
33	.183	.1163	.1163	.0938	.2569	.4698	.1623
34	.189	.0828	.0828	.0622	.1834	.3381	.1168
35	.194	.0653	.0653	.0447	.1433	.2640	.0912
36	.200	.0488	.0488	.0282	.0944	.1813	.0626
37	.206	.0431	.0431	.0225	.0657	.1590	.0546
38	.211	.0442	.0442	.0236	.0984	.1814	.0627
39	.217	.0552	.0552	.0347	.1588	.2927	.1011
40	.222	.0736	.0656	.0451	.2272	.4187	.1447
41	.228	.0602	.0586	.0380	.2002	.3690	.1274
42	.233	.0323	.0391	.0185	.1139	.2098	.0725
43	.239	.0315	.0325	.0119	.0813	.1498	.0518
44	.244	.0347	.0317	.0111	.0865	.1558	.0538
45	.250	.0261	.0276	.0069	.0576	.1059	.0365
46	.256	.0227	.0237	.0032	.0298	.0550	.0190
47	.261	.0235	.0226	.0020	.0216	.0397	.0137
48	.267	.0207	.0206	.0000	.0000	.0000	.0000
49	.272	.0166	.0172	.0000	.0000	.0000	.0000
50	.278	.0150	.0178	.0000	.0000	.0000	.0000
51	.283	.0244	.0245	.0040	.0677	.1248	.0431
52	.289	.0344	.0307	.0101	.1951	.3594	.1242
53	.294	.0295	.0280	.0074	.1634	.3011	.1040
54	.300	.0188	.0207	.0001	.0031	.0056	.0019
55	.306	.0161	.0170	.0000	.0000	.0000	.0000
56	.311	.0174	.0168	.0000	.0000	.0000	.0000
57	.317	.0165	.0164	.0000	.0000	.0000	.0000
58	.322	.0155	.0161	.0000	.0000	.0000	.0000
59	.328	.0171	.0172	.0000	.0000	.0000	.0000
60	.333	.0194	.0182	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 31/ 1/60 Av. T= 9.5 RECORD = DL 82
HOUR = 12 SIG.HGT. = 22.1 UPPER HGT. = 24.2
TOTAL DP =164 CORR. VAR. = 30.5 LOWER HGT. = 20.2
NOISE LEVEL = .0248 WIND SPEED = 40

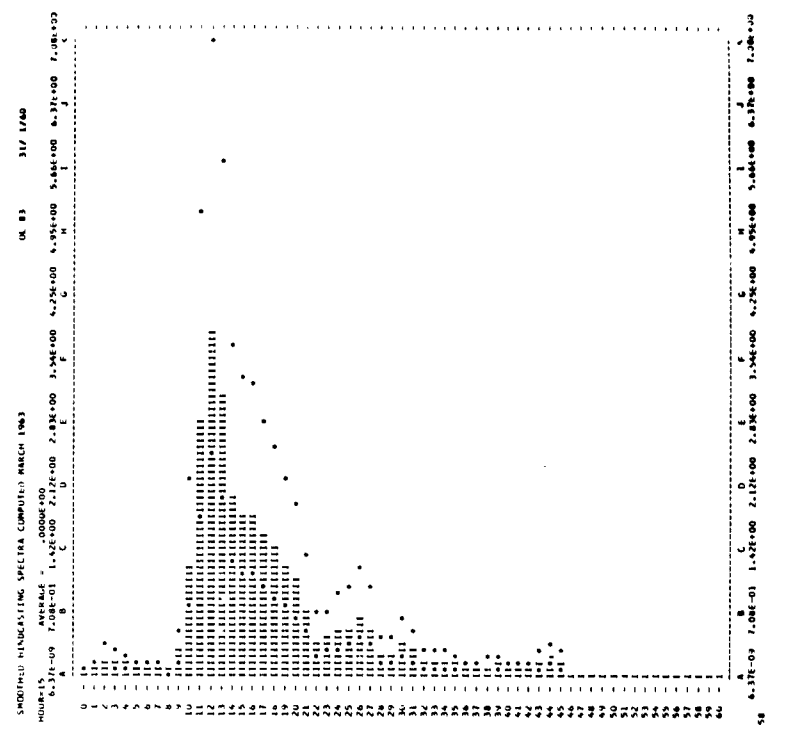
M	FRE.	UNIT-FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0617	.0617	.0369	.0369	.0680	.0235
1	.006	.0875	.0875	.0627	.0627	.1156	.0399
2	.011	.1619	.1619	.1371	.1371	.2527	.0873
3	.017	.2160	.2160	.1892	.1892	.3487	.1205
4	.022	.1635	.1635	.1387	.1387	.2557	.0883
5	.028	.0906	.0906	.0658	.0658	.1213	.0419
6	.033	.0496	.0496	.0248	.0391	.0721	.0249
7	.039	.0357	.0357	.0109	.0143	.0267	.0092
8	.044	.0261	.0261	.0013	.0016	.0029	.0010
9	.050	.1628	.1628	.1380	.1532	.2823	.0975
10	.056	1.0595	1.0595	1.0307	1.0956	2.0194	.6976
11	.061	2.4186	2.4186	2.3938	2.4836	4.5776	1.5816
12	.067	3.1170	3.1170	3.0922	3.1717	5.8459	2.0195
13	.072	3.1120	3.1120	3.0872	3.1675	5.8381	2.0169
14	.078	2.6750	2.6750	2.6502	2.7430	5.0557	1.7466
15	.083	2.0043	2.0043	1.9795	2.0813	3.8361	1.3252
16	.089	1.9453	1.9453	1.9205	2.0421	3.7639	1.3003
17	.094	2.0718	2.0718	2.0470	2.2587	4.1631	1.4382
18	.100	1.5039	1.5039	1.4791	1.6830	3.1035	1.0722
19	.106	.7904	.7904	.7656	.9038	1.6658	.5756
20	.111	.5741	.5741	.5493	.6746	1.2435	.4295
21	.117	.7949	.7949	.7701	.9871	1.8195	.6285
22	.122	.7326	.7326	.7078	.9502	1.7513	.6050
23	.128	.3348	.3348	.3100	.4373	.8060	.2784
24	.133	.2157	.2157	.1909	.2839	.5233	.1808
25	.139	.3091	.3091	.2843	.4473	.8244	.2848
26	.144	.3374	.3374	.3126	.5216	.9613	.3321
27	.150	.3063	.3063	.2815	.4991	.9203	.3179
28	.156	.2483	.2483	.2235	.4228	.7794	.2692
29	.161	.1807	.1807	.1559	.3154	.5813	.2008
30	.167	.1554	.1554	.1306	.2835	.5225	.1805
31	.172	.1328	.1328	.1080	.2519	.4643	.1604
32	.178	.0985	.0985	.0737	.1895	.3420	.1181
33	.183	.0970	.0970	.0722	.1963	.3618	.1250
34	.189	.0815	.0815	.0567	.1672	.3081	.1065
35	.194	.0536	.0536	.0288	.0923	.1700	.0587
36	.200	.0547	.0547	.0299	.1044	.1924	.0665
37	.206	.0597	.0597	.0349	.1330	.2451	.0847
38	.211	.0548	.0548	.0300	.1252	.2308	.0797
39	.217	.0540	.0540	.0292	.1339	.2467	.0852
40	.222	.0569	.0569	.0321	.1619	.2984	.1031
41	.228	.0562	.0526	.0277	.1538	.2836	.0988
42	.233	.0617	.0630	.0183	.1123	.2071	.0715
43	.239	.0346	.0370	.0122	.0835	.1538	.0531
44	.244	.0372	.0358	.0110	.0835	.1539	.0532
45	.250	.0342	.0314	.0066	.0561	.1034	.0357
46	.256	.0201	.0216	.0000	.0000	.0000	.0000
47	.261	.0122	.0143	.0000	.0000	.0000	.0000
48	.267	.0120	.0149	.0000	.0000	.0000	.0000
49	.272	.0217	.0123	.0000	.0000	.0000	.0000
50	.278	.0332	.0296	.0048	.0722	.1331	.0460
51	.283	.0302	.0282	.0034	.0578	.1065	.0368
52	.289	.0191	.0224	.0000	.0000	.0000	.0000
53	.294	.0213	.0218	.0000	.0000	.0000	.0000
54	.300	.0248	.0231	.0000	.0000	.0000	.0000
55	.306	.0219	.0222	.0000	.0000	.0000	.0000
56	.311	.0211	.0218	.0000	.0000	.0000	.0000
57	.317	.0236	.0246	.0000	.0000	.0000	.0000
58	.322	.0300	.0283	.0035	.0035	.0065	.0022
59	.328	.0296	.0289	.0037	.0037	.0068	.0023
60	.333	.0267	.0271	.0026	.0026	.0044	.0015



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 31/ 1/60 AV. T= 9.6 RECORD = DL 83
HOUR = 15 SIG.HGT. = 21.6 UPPER HGT. = 43.7
TOTAL DF =159 CORR. VAR. = 29.3 LOWER HGT. = 19.8
NOISE LEVEL = .0198 WIND SPEED = 40

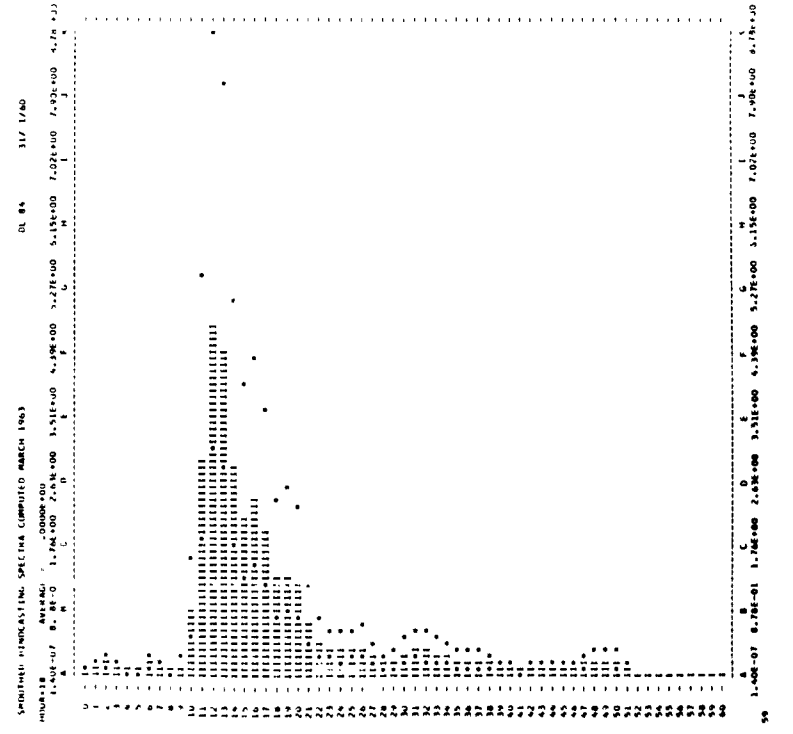
M	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0498	.0498	.0300	.0300	.0553	.0191
1	.006	.1150	.1150	.0952	.0952	.1754	.0606
2	.011	.1941	.1941	.1743	.1743	.3212	.1110
3	.017	.1670	.1670	.1472	.1472	.2713	.0937
4	.022	.1316	.1316	.1118	.1118	.2060	.0712
5	.028	.1153	.1193	.0955	.0955	.1760	.0608
6	.033	.0729	.0729	.0531	.0836	.1541	.0533
7	.039	.0670	.0670	.0472	.0626	.1155	.0399
8	.044	.0538	.0538	.0340	.0405	.0746	.0258
9	.050	.2577	.2577	.2379	.2640	.4866	.1681
10	.056	1.1506	1.1506	1.1308	1.2020	2.2155	.7656
11	.061	2.7259	2.7259	2.7061	2.8076	5.1747	1.7877
12	.067	3.7640	3.7640	3.7442	3.8404	7.0784	2.4453
13	.072	3.0695	3.0695	3.0497	3.1290	5.7672	1.9923
14	.078	1.9629	1.9629	1.9231	1.9904	3.6686	1.2674
15	.083	1.7233	1.7233	1.7035	1.7910	3.3012	1.1406
16	.089	1.6644	1.6644	1.6446	1.7487	3.2231	1.1135
17	.094	1.4227	1.4227	1.4029	1.5479	2.8531	.9856
18	.100	1.2397	1.2397	1.2199	1.3887	2.5596	.8842
19	.106	1.0360	1.0360	1.0162	1.1996	2.2110	.7638
20	.111	.8622	.8622	.8424	1.0344	1.9066	.6587
21	.117	.5944	.5944	.5746	.7364	1.3574	.4689
22	.122	.3072	.3072	.2874	.3858	.7111	.2456
23	.128	.2987	.2987	.2789	.3936	.7250	.2505
24	.133	.3443	.3443	.3245	.4825	.8894	.3073
25	.139	.3549	.3549	.3351	.5271	.9716	.3356
26	.144	.4158	.4158	.3960	.6607	1.2177	.4207
27	.150	.3171	.3171	.2973	.5273	.9718	.3357
28	.156	.1467	.1467	.1269	.2400	.4424	.1528
29	.161	.1371	.1371	.1173	.2373	.4373	.1511
30	.167	.1734	.1734	.1536	.3333	.6144	.2122
31	.172	.1307	.1307	.1109	.2586	.4766	.1647
32	.178	.0745	.0745	.0547	.1378	.2537	.0876
33	.183	.0711	.0711	.0513	.1394	.2569	.0888
34	.189	.0748	.0748	.0550	.1621	.2987	.1032
35	.194	.0596	.0596	.0398	.1274	.2348	.0811
36	.200	.0481	.0481	.0283	.0917	.1691	.0584
37	.206	.0413	.0413	.0215	.0818	.1508	.0521
38	.211	.0447	.0447	.0249	.1038	.1913	.0661
39	.217	.0434	.0434	.0236	.1081	.1992	.0688
40	.222	.0353	.0361	.0163	.0821	.1513	.0523
41	.228	.0304	.0317	.0119	.0659	.1215	.0420
42	.233	.0306	.0331	.0133	.0819	.1509	.0521
43	.239	.0409	.0397	.0199	.1359	.2506	.0866
44	.244	.0486	.0431	.0233	.1770	.3262	.1127
45	.250	.0385	.0377	.0179	.1513	.2790	.0964
46	.256	.0273	.0288	.0091	.0091	.0167	.0058
47	.261	.0225	.0250	.0052	.0052	.0096	.0033
48	.267	.0279	.0273	.0075	.0075	.0138	.0048
49	.272	.0310	.0288	.0090	.0090	.0166	.0058
50	.278	.0255	.0255	.0057	.0057	.0106	.0037
51	.283	.0202	.0220	.0022	.0022	.0041	.0014
52	.289	.0222	.0238	.0040	.0040	.0073	.0025
53	.294	.0306	.0281	.0083	.0083	.0152	.0053
54	.300	.0289	.0265	.0067	.0067	.0123	.0043
55	.306	.0176	.0187	.0000	.0000	.0000	.0000
56	.311	.0194	.0193	.0000	.0000	.0000	.0000
57	.317	.0140	.0150	.0000	.0000	.0000	.0000
58	.322	.0212	.0185	.0000	.0000	.0000	.0000
59	.328	.0178	.0172	.0000	.0000	.0000	.0000
60	.333	.0170	.0149	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 31/ 1/60 AV. T= 9.1 RECORD = DL 84
HOUR = 18 SIG.HGT. = 23.3 UPPER HGT. = 45.6
TOTAL DF =149 CORR. VAR. = 33.4 LOWER HGT. = 21.2
NOISE LEVEL = .0140 WIND SPEED = 35

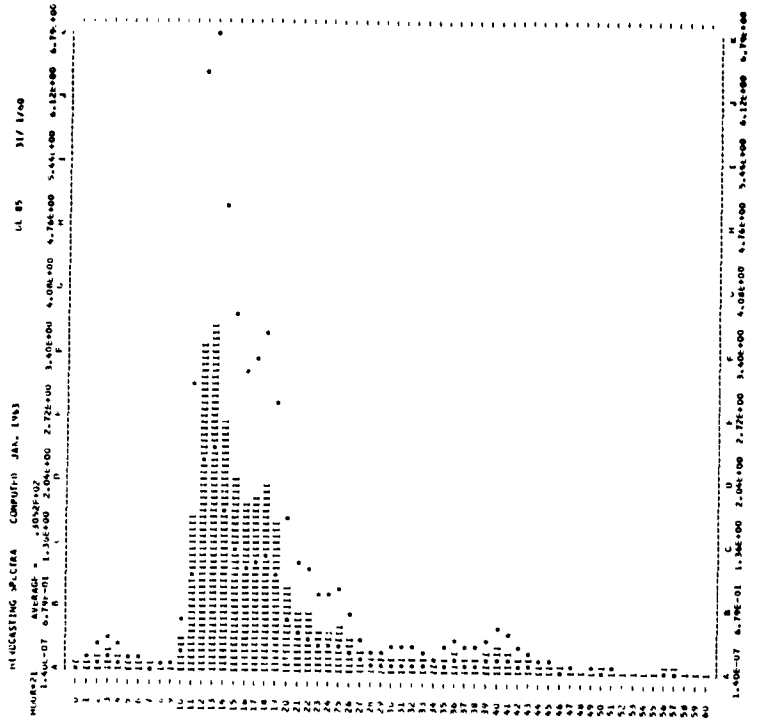
M	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0548	.0548	.0408	.0408	.0753	.0260
1	.006	.1071	.1071	.0931	.0931	.1717	.0593
2	.011	.1691	.1691	.1551	.1551	.2859	.0988
3	.017	.1440	.1440	.1300	.1300	.2398	.0828
4	.022	.0614	.0614	.0474	.0474	.0874	.0302
5	.028	.0771	.0771	.0631	.0631	.1164	.0402
6	.033	.0986	.0986	.0846	.1233	.2458	.0849
7	.039	.0770	.0770	.0630	.0837	.1542	.0533
8	.044	.0620	.0620	.0480	.0572	.1054	.0364
9	.050	.1244	.1244	.1104	.1226	.2259	.0780
10	.056	.8372	.8372	.8232	.8751	1.6129	.5572
11	.061	2.8424	2.8424	2.8284	2.9365	5.4087	1.8685
12	.067	4.6583	4.6583	4.6443	4.7637	8.7802	3.0332
13	.072	4.2850	4.2850	4.2710	4.3821	8.0768	2.7902
14	.078	2.7049	2.7049	2.6909	2.7851	5.1334	1.7734
15	.083	2.0407	2.0407	2.0267	2.1309	3.9276	1.3568
16	.089	2.2187	2.2187	2.2027	2.3422	4.3170	1.4913
17	.094	1.7928	1.7928	1.7788	1.9628	3.6177	1.2498
18	.100	1.1374	1.1374	1.1234	1.2788	2.3572	.8143
19	.106	1.1657	1.1657	1.1517	1.3596	2.5060	.8657
20	.111	1.0279	1.0279	1.0139	1.2451	2.2949	.7928
21	.117	.5508	.5508	.5368	.6881	1.2682	.4381
22	.122	.3318	.3318	.3198	.4293	.7913	.2734
23	.128	.2586	.2586	.2446	.3491	.6360	.2197
24	.133	.2246	.2246	.2106	.3132	.5773	.1994
25	.139	.2373	.2373	.2233	.3513	.6475	.2237
26	.144	.2307	.2307	.2167	.3616	.6665	.2302
27	.150	.1608	.1608	.1468	.2604	.4800	.1658
28	.156	.1020	.1020	.0880	.1665	.3069	.1060
29	.161	.1138	.1138	.0998	.2019	.3722	.1286
30	.167	.1515	.1515	.1375	.2985	.5502	.1901
31	.172	.1662	.1662	.1522	.3550	.6543	.2261
32	.178	.1349	.1349	.1259	.3170	.5842	.2018
33	.183	.1152	.1152	.1012	.2752	.5071	.1752
34	.189	.0931	.0931	.0791	.2333	.4299	.1485
35	.194	.0690	.0690	.0550	.1762	.3248	.1122
36	.200	.0677	.0677	.0537	.1875	.3456	.1194
37	.206	.0637	.0637	.0497	.1894	.3491	.1206
38	.211	.0473	.0473	.0333	.1390	.2563	.0885
39	.217	.0360	.0360	.0220	.1010	.1861	.0643
40	.222	.0280	.0290	.0150	.0756	.1394	.0482
41	.228	.0238	.0255	.0116	.0644	.1187	.0410
42	.233	.0264	.0274	.0135	.0828	.1525	.0527
43	.239	.0330	.0307	.0168	.1143	.2106	.0728
44	.244	.0305	.0295	.0155	.1178	.2171	.0750
45	.250	.0240	.0260	.0120	.1015	.1870	.0646
46	.256	.0256	.0260	.0120	.1136	.2094	.0723
47	.261	.0292	.0296	.0156	.1632	.3009	.1039
48	.267	.0338	.0318	.0178	.2121	.3909	.1350
49	.272	.0305	.0299	.0159	.2126	.3919	.1354
50	.278	.0247	.0252	.0113	.1702	.3136	.1084
51	.283	.0211	.0200	.0061	.1037	.1912	.0660
52	.289	.0133	.0146	.0006	.0117	.0216	.0075
53	.294	.0106	.0113	.0000	.0000	.0000	.0000
54	.300	.0109	.0102	.0000	.0000	.0000	.0000
55	.306	.0085	.0094	.0000	.0000	.0000	.0000
56	.311	.0099	.0103	.0000	.0000	.0000	.0000
57	.317	.0131	.0131	.0000	.0000	.0000	.0000
58	.322	.0162	.0158	.0019	.0019	.0035	.0012
59	.328	.0179	.0173	.0033	.0033	.0061	.0021
60	.333	.0171	.0175	.0035	.0035	.0065	.0022



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 31/ 1/60 AV. T= 9.3 RECORD = DL 85
HOUR = 21 SIG.HGT. = 21.4 UPPER HGT. = 23.5
TOTAL OF =167 CORR. VAR. = 28.6 LOWER HGT. = 19.4
NOISE LEVEL = .0119 WIND SPEED = 40

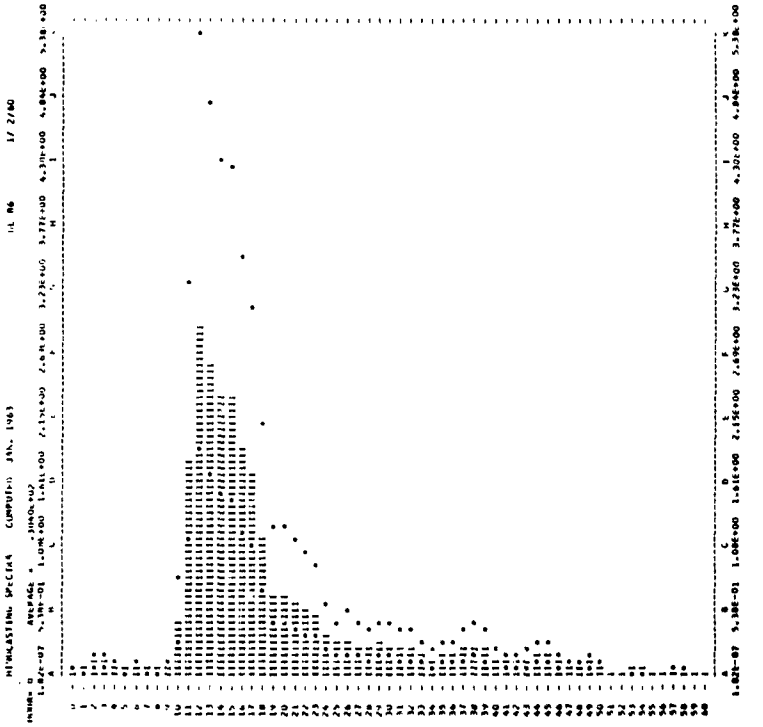
M	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0702	.0602	.0482	.0882	.0307
1	.006	.0909	.0909	.0790	.1456	.0503
2	.011	.1632	.1632	.1512	.2788	.0963
3	.017	.2065	.2065	.1925	.3544	.1246
4	.022	.1527	.1527	.1408	.2595	.0896
5	.028	.0795	.0795	.0675	.1245	.0430
6	.033	.0596	.0596	.0437	.0809	.0278
7	.039	.0457	.0457	.0337	.0648	.0224
8	.044	.0318	.0318	.0199	.0237	.0137
9	.050	.0391	.0391	.0272	.0502	.0094
10	.056	.3065	.3065	.2944	.5129	.1993
11	.061	1.5970	1.5970	1.5851	1.6663	1.0671
12	.067	3.4034	3.4034	3.3915	3.4787	2.2150
13	.072	3.6050	3.6050	3.5931	3.6865	2.3473
14	.078	2.6014	2.6018	2.5898	2.6805	1.7006
15	.083	1.9439	1.9439	1.9320	2.0523	1.2827
16	.089	1.6417	1.6417	1.6298	1.7329	1.1034
17	.094	1.6651	1.6651	1.6532	1.8021	1.1475
18	.100	1.7145	1.7145	1.7026	1.9382	1.2342
19	.106	1.3366	1.3366	1.3247	.9614	2.8779
20	.111	.7378	.7378	.7259	.4916	1.6629
21	.117	.4056	.4056	.4437	.4199	1.1426
22	.122	.4648	.4648	.4329	.5812	1.0712
23	.128	.5161	.5161	.5042	.4291	.7909
24	.133	.3078	.3078	.2959	.4400	.8110
25	.139	.3172	.3172	.3052	.4802	.8850
26	.144	.2161	.2161	.2021	.3372	.6214
27	.150	.1129	.1129	.1010	.1792	.3302
28	.156	.0756	.0756	.0637	.1206	.2222
29	.161	.0726	.0726	.0607	.1227	.2262
30	.167	.0781	.0781	.0662	.1437	.2649
31	.172	.0786	.0786	.0667	.1576	.2867
32	.178	.0727	.0727	.0608	.1529	.2819
33	.183	.0520	.0520	.0400	.1088	.2006
34	.189	.0417	.0417	.0298	.0878	.1619
35	.194	.0598	.0598	.0478	.1532	.2824
36	.200	.0821	.0821	.0502	.1704	.3228
37	.206	.0475	.0475	.0356	.1357	.2500
38	.211	.0444	.0444	.0325	.1356	.2496
39	.217	.0526	.0526	.0407	.1865	.3438
40	.222	.0490	.0426	.0505	.2546	.4692
41	.228	.0590	.0546	.0427	.2373	.4374
42	.233	.0313	.0371	.0252	.1548	.2853
43	.239	.0268	.0271	.0152	.1037	.1912
44	.244	.0237	.0231	.0112	.0846	.1560
45	.250	.0186	.0186	.0077	.0647	.1193
46	.256	.0173	.0173	.0064	.0490	.0903
47	.261	.0139	.0144	.0024	.0257	.0474
48	.267	.0120	.0130	.0011	.0132	.0244
49	.272	.0147	.0139	.0020	.0267	.0493
50	.278	.0144	.0143	.0024	.0355	.0653
51	.283	.0137	.0138	.0016	.0279	.0514
52	.289	.0125	.0126	.0007	.0136	.0250
53	.294	.0119	.0118	.0000	.0000	.0000
54	.300	.0110	.0113	.0000	.0000	.0000
55	.306	.0113	.0120	.0001	.0024	.0046
56	.311	.0145	.0133	.0014	.0467	.0860
57	.317	.0131	.0129	.0010	.0368	.0677
58	.322	.0109	.0114	.0000	.0000	.0000
59	.328	.0105	.0104	.0000	.0000	.0000
60	.333	.0095	.0100	.0000	.0000	.0000



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 1/ 2/60 AV. T= 8.8 RECORD = DL 86
HOUR = 0 SIG.HGT. = 20.6 UPPER HGT. = 23.9
TOTAL OF =158 CORR. VAR. = 25.1 LOWER HGT. = 18.3
NOISE LEVEL = .0132 WIND SPEED = 45

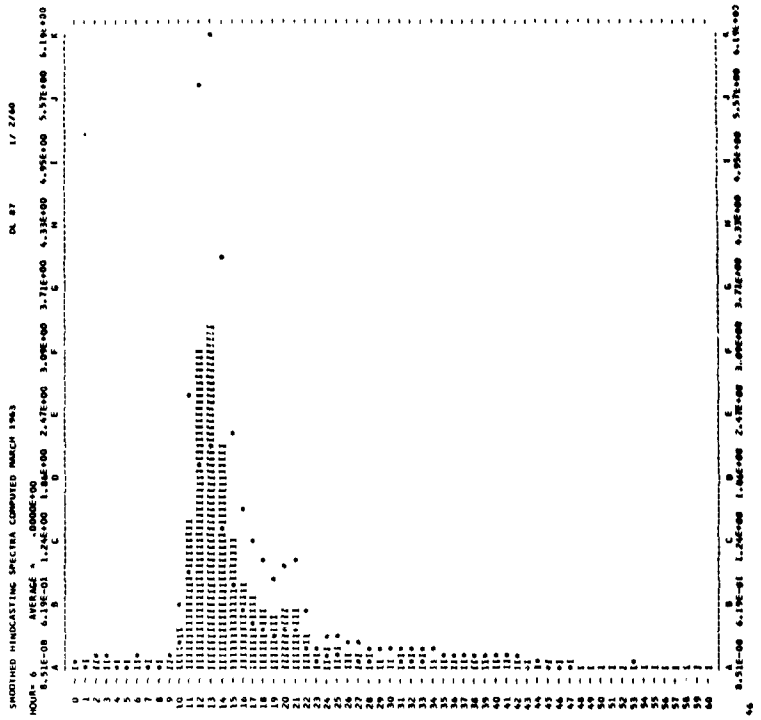
M	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0329	.0329	.0197	.0197	.0364	.0126
1	.006	.0477	.0477	.0345	.0345	.0635	.0219
2	.011	.0949	.0949	.0817	.0817	.1505	.0520
3	.017	.1128	.1128	.0996	.0996	.1835	.0634
4	.022	.0769	.0769	.0637	.0637	.1174	.0406
5	.028	.0526	.0526	.0394	.0394	.0726	.0251
6	.033	.0440	.0440	.0308	.0485	.0894	.0309
7	.039	.0372	.0178	.0244	.0324	.0597	.0206
8	.044	.0376	.0376	.0243	.0240	.0534	.0185
9	.050	.0594	.0594	.0462	.0513	.0945	.0326
10	.056	.4235	.4235	.4103	.4362	.8039	.2777
11	.061	1.7287	1.7287	1.7155	1.7748	3.2805	1.1333
12	.067	2.8586	2.8586	2.8454	2.9185	5.3793	1.8588
13	.072	2.9518	2.9518	2.9386	2.8046	5.4006	1.8654
14	.078	2.2861	2.2861	2.2729	2.3339	4.3016	1.4861
15	.083	2.2131	2.2131	2.1999	2.3130	4.2632	1.4728
16	.089	1.7870	1.7870	1.7738	1.8861	3.4763	1.2009
17	.094	1.5128	1.5128	1.4996	1.6546	3.0497	1.0536
18	.100	1.0054	1.0054	.9922	1.1295	2.0819	.7192
19	.106	.5732	.5732	.5600	.8611	1.2185	.4210
20	.111	.5568	.5568	.5436	.6675	1.2303	.4250
21	.117	.4816	.4816	.4684	.6006	1.1066	.3823
22	.122	.4176	.4176	.4044	.5428	1.0005	.3456
23	.128	.3883	.3883	.3751	.5009	.9231	.3189
24	.133	.2220	.2220	.2088	.3105	.5723	.1977
25	.139	.1676	.1676	.1544	.2429	.4477	.1547
26	.144	.1858	.1858	.1724	.2876	.5301	.1831
27	.150	.1381	.1381	.1249	.2214	.4082	.1410
28	.156	.1161	.1161	.1029	.1909	.3518	.1215
29	.161	.1338	.1338	.1206	.2440	.4497	.1554
30	.167	.1206	.1206	.1074	.2330	.4295	.1484
31	.172	.1006	.1006	.0874	.2018	.3757	.1298
32	.178	.0916	.0916	.0782	.1948	.3627	.1253
33	.183	.0681	.0681	.0549	.1492	.2750	.0950
34	.189	.0561	.0561	.0429	.1265	.2332	.0806
35	.194	.0565	.0565	.0433	.1345	.2552	.0842
36	.200	.0576	.0576	.0441	.1441	.2830	.0981
37	.206	.0639	.0639	.0507	.1930	.3557	.1229
38	.211	.0661	.0661	.0529	.2208	.4070	.1406
39	.217	.0569	.0569	.0417	.1912	.3524	.1217
40	.222	.0371	.0392	.0260	.1308	.2411	.0833
41	.228	.0276	.0302	.0170	.0946	.1744	.0602
42	.233	.0286	.0286	.0154	.0947	.1745	.0603
43	.239	.0296	.0301	.0169	.1153	.2125	.0736
44	.244	.0326	.0322	.0190	.1440	.2654	.0917
45	.250	.0334	.0308	.0178	.1490	.2746	.0949
46	.256	.0229	.0239	.0106	.1005	.1853	.0640
47	.261	.0197	.0183	.0051	.0541	.0997	.0344
48	.267	.0190	.0189	.0057	.0676	.1246	.0430
49	.272	.0219	.0204	.0072	.0964	.1776	.0614
50	.278	.0188	.0179	.0047	.0762	.1393	.0467
51	.283	.0119	.0138	.0006	.0099	.0183	.0063
52	.289	.0126	.0134	.0002	.0035	.0064	.0022
53	.294	.0106	.0151	.0018	.0378	.0771	.0266
54	.300	.0149	.0161	.0011	.0276	.0573	.0176
55	.306	.0109	.0119	.0000	.0000	.0000	.0000
56	.311	.0109	.0119	.0000	.0000	.0000	.0000
57	.317	.0150	.0137	.0005	.0188	.0346	.0119
58	.322	.0139	.0136	.0004	.0173	.0319	.0110
59	.328	.0116	.0124	.0000	.0000	.0000	.0000
60	.333	.0123	.0120	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 1/ 2/60 AV. T= 10.2 RECORD = DL 87
HOUR = 6 SIG.HGT. = 17.1 UPPER HGT. = 19.1
TOTAL DF =104 CORR. VAR. = 16.2 LOWER HGT. = 15.1
NOISE LEVEL = .0060 WIND SPEED = 10

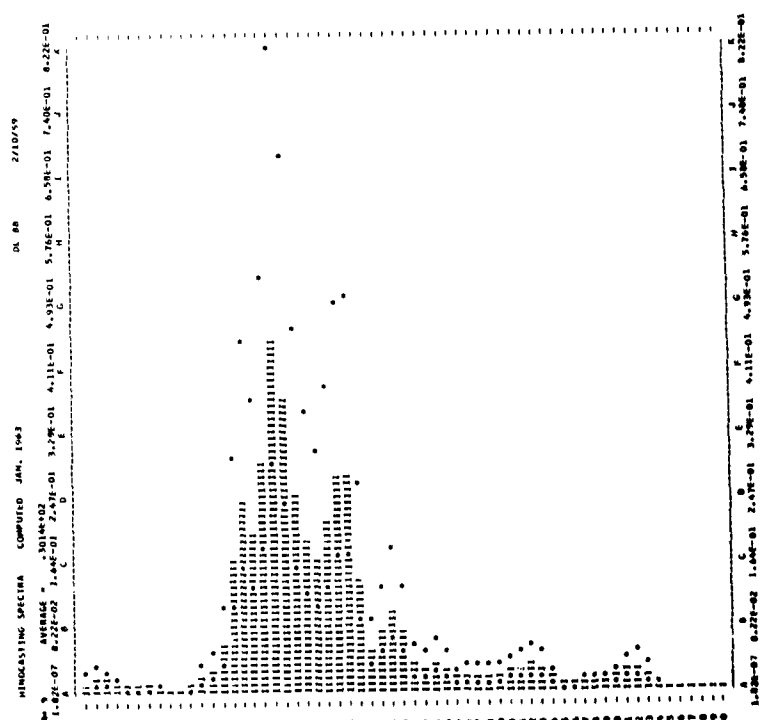
H	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0363	.0363	.0303	.0303	.0559	.0193
1	.006	.0542	.0542	.0482	.0482	.0889	.0307
2	.011	.0877	.0877	.0817	.0817	.1506	.0520
3	.017	.0816	.0816	.0756	.0756	.1394	.0481
4	.022	.0507	.0507	.0447	.0447	.0824	.0285
5	.028	.0461	.0461	.0401	.0401	.0739	.0255
6	.033	.0460	.0460	.0400	.0400	.0630	.0162	.0401
7	.039	.0421	.0421	.0361	.0361	.0679	.0884	.0305
8	.044	.0348	.0348	.0288	.0363	.0632	.0218
9	.050	.0705	.0705	.0645	.0716	.1320	.0456
10	.056	.3274	.3274	.3214	.3417	.8297	.2179
11	.061	1.3983	1.3983	1.3883	1.4414	2.6567	.9178
12	.067	3.0045	3.0045	2.9985	3.0756	5.6687	1.9583
13	.072	3.2771	3.2771	3.2711	3.3562	6.1859	2.1370
14	.078	2.1156	2.1156	2.1064	2.1801	4.0183	1.3882
15	.083	1.1793	1.1793	1.1693	1.2296	2.2660	.7828
16	.089	.7882	.7882	.7822	.8317	1.5330	.5296
17	.094	.6066	.6066	.6006	.6627	1.2215	.4220
18	.100	.4991	.4991	.4931	.5614	1.0347	.3574
19	.106	.4086	.4086	.3996	.4717	.8693	.3004
20	.111	.4499	.4499	.4439	.5451	1.0047	.3471
21	.117	.4498	.4498	.4438	.5688	1.0484	.3622
22	.172	.2208	.2208	.2148	.2884	.5315	.1836
23	.178	.0841	.0841	.0781	.1102	.2031	.0702
24	.133	.1123	.1123	.1063	.1581	.2914	.1007
25	.139	.1173	.1173	.1113	.1791	.3227	.1115
26	.144	.0957	.0957	.0897	.1497	.2759	.0953
27	.150	.0737	.0737	.0677	.1201	.2214	.0765
28	.156	.0575	.0575	.0515	.0975	.1796	.0621
29	.161	.0480	.0480	.0420	.0850	.1566	.0541
30	.167	.0496	.0496	.0396	.0860	.1585	.0547
31	.172	.0529	.0529	.0469	.1096	.2018	.0697
32	.178	.0503	.0503	.0443	.1115	.2056	.0710
33	.183	.0407	.0407	.0347	.0944	.1739	.0601
34	.189	.0354	.0354	.0294	.0847	.1598	.0552
35	.194	.0266	.0266	.0206	.0660	.1216	.0420
36	.200	.0243	.0243	.0183	.0639	.1178	.0407
37	.206	.0262	.0262	.0202	.0770	.1419	.0490
38	.211	.0231	.0231	.0171	.0714	.1316	.0455
39	.217	.0195	.0195	.0135	.0619	.1141	.0394
40	.222	.0194	.0191	.0132	.0663	.1223	.0422
41	.228	.0183	.0176	.0117	.0669	.1196	.0413
42	.233	.0166	.0149	.0089	.0525	.0968	.0334
43	.239	.0106	.0112	.0052	.0354	.0652	.0225
44	.244	.0089	.0098	.0039	.0293	.0540	.0187
45	.250	.0110	.0105	.0045	.0383	.0707	.0244
46	.256	.0112	.0105	.0045	.0426	.0785	.0271
47	.261	.0086	.0089	.0029	.0311	.0573	.0198
48	.267	.0073	.0071	.0011	.0135	.0249	.0086
49	.272	.0053	.0054	.0000	.0000	.0000	.0000
50	.278	.0039	.0046	.0000	.0000	.0000	.0000
51	.283	.0053	.0053	.0000	.0000	.0000	.0000
52	.289	.0066	.0064	.0004	.0085	.0156	.0054
53	.294	.0072	.0069	.0010	.0212	.0390	.0135
54	.300	.0068	.0065	.0005	.0135	.0248	.0086
55	.306	.0053	.0053	.0000	.0000	.0000	.0000
56	.311	.0040	.0043	.0000	.0000	.0000	.0000
57	.317	.0039	.0043	.0000	.0000	.0000	.0000
58	.322	.0056	.0056	.0000	.0000	.0000	.0000
59	.328	.0075	.0072	.0012	.0012	.0022	.0008
60	.333	.0082	.0078	.0019	.0019	.0034	.0012



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 2/10/59 AV. T= 7.6 RECORD = DL 88
HOUR = 9 SIG.HGT. = 8.1 UPPER HGT. = 8.4
TOTAL DF =184 CORR. VAR. = 4.1 LOWER HGT. = 7.5
NOISE LEVEL = .0020 WIND SPEED = 25

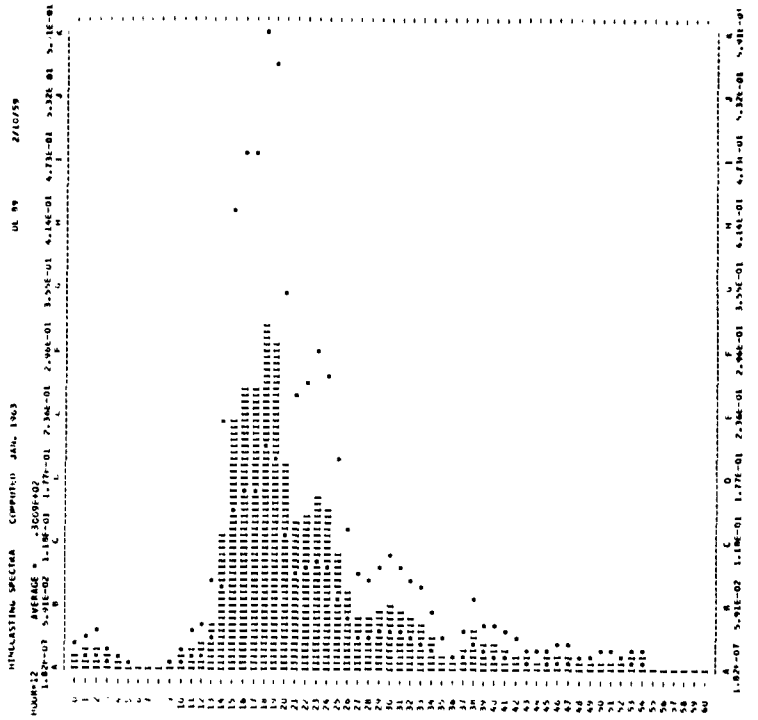
H	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0136	.0136	.0117	.0117	.0215	.0074
1	.006	.0182	.0182	.0163	.0163	.0300	.0104
2	.011	.0167	.0167	.0147	.0147	.0272	.0094
3	.017	.0090	.0090	.0071	.0071	.0130	.0045
4	.022	.0075	.0075	.0056	.0056	.0103	.0035
5	.028	.0066	.0066	.0046	.0046	.0086	.0030
6	.033	.0054	.0054	.0035	.0055	.0101	.0035
7	.039	.0040	.0040	.0020	.0027	.0049	.0017
8	.044	.0026	.0026	.0006	.0007	.0013	.0005
9	.050	.0025	.0025	.0005	.0006	.0011	.0004
10	.056	.0064	.0064	.0044	.0047	.0087	.0030
11	.061	.0180	.0180	.0161	.0167	.0307	.0106
12	.067	.0261	.0261	.0242	.0248	.0457	.0158
13	.072	.0574	.0574	.0555	.0569	.1049	.0363
14	.078	.1580	.1580	.1561	.1615	.2977	.1028
15	.083	.2311	.2311	.2291	.2409	.4461	.1534
16	.089	.1903	.1903	.1883	.2003	.3691	.1275
17	.094	.2611	.2611	.2592	.2860	.5271	.1821
18	.100	.3938	.3938	.3919	.4461	.8223	.2841
19	.106	.3154	.3154	.3134	.3700	.6820	.2356
20	.111	.2057	.2057	.2037	.2502	.4611	.1593
21	.117	.1503	.1503	.1483	.1901	.3504	.1211
22	.122	.1250	.1250	.1230	.1651	.3043	.1051
23	.128	.1508	.1508	.1489	.2100	.3870	.1337
24	.133	.1834	.1834	.1814	.2698	.4973	.1718
25	.139	.1756	.1756	.1736	.2731	.5034	.1739
26	.144	.0873	.0873	.0854	.1424	.2625	.0907
27	.150	.0305	.0305	.0286	.0506	.0933	.0322
28	.156	.0401	.0401	.0382	.0722	.1331	.0460
29	.161	.0509	.0509	.0490	.0991	.1827	.0631
30	.167	.0398	.0398	.0339	.0735	.1355	.0468
31	.172	.0191	.0191	.0131	.0307	.0565	.0195
32	.178	.0122	.0122	.0102	.0258	.0475	.0164
33	.183	.0146	.0146	.0127	.0345	.0635	.0220
34	.189	.0114	.0114	.0095	.0279	.0515	.0178
35	.194	.0062	.0062	.0043	.0136	.0251	.0087
36	.200	.0065	.0065	.0045	.0159	.0292	.0101
37	.206	.0070	.0070	.0050	.0191	.0352	.0122
38	.211	.0059	.0059	.0040	.0166	.0306	.0106
39	.217	.0055	.0038	.0044	.0164	.0303	.0105
40	.222	.0064	.0064	.0044	.0224	.0413	.0143
41	.228	.0073	.0070	.0031	.0283	.0521	.0180
42	.233	.0072	.0069	.0050	.0307	.0565	.0195
43	.239	.0060	.0057	.0038	.0258	.0475	.0164
44	.244	.0036	.0038	.0019	.0144	.0265	.0091
45	.250	.0021	.0025	.0006	.0049	.0090	.0031
46	.256	.0023	.0026	.0004	.0042	.0078	.0027
47	.261	.0029	.0028	.0008	.0087	.0160	.0055
48	.267	.0030	.0028	.0009	.0104	.0191	.0066
49	.272	.0026	.0026	.0007	.0093	.0171	.0059
50	.278	.0028	.0029	.0009	.0140	.0257	.0089
51	.283	.0036	.0034	.0014	.0241	.0444	.0153
52	.289	.0035	.0034	.0014	.0274	.0506	.0175
53	.294	.0028	.0028	.0008	.0183	.0337	.0116
54	.300	.0020	.0021	.0001	.0033	.0062	.0021
55	.306	.0016	.0016	.0000	.0000	.0000	.0000
56	.311	.0013	.0013	.0000	.0000	.0000	.0000
57	.317	.0010	.0011	.0000	.0000	.0000	.0000
58	.322	.0011	.0011	.0000	.0000	.0000	.0000
59	.328	.0014	.0013	.0000	.0000	.0000	.0000
60	.333	.0014	.0014	.0000	.0000	.0000	.0000



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 2/10/59 AV. T= 7.7 RECORD = DL 89
HOUR = 12 SIG.HGT. = 7.2 UPPER HGT. = 7.9
TOTAL OF =187 CONV. VAR. = 3.9 LOWER HGT. = 6.6
NOISE LEVEL = .0017 WIND SPEED = 25

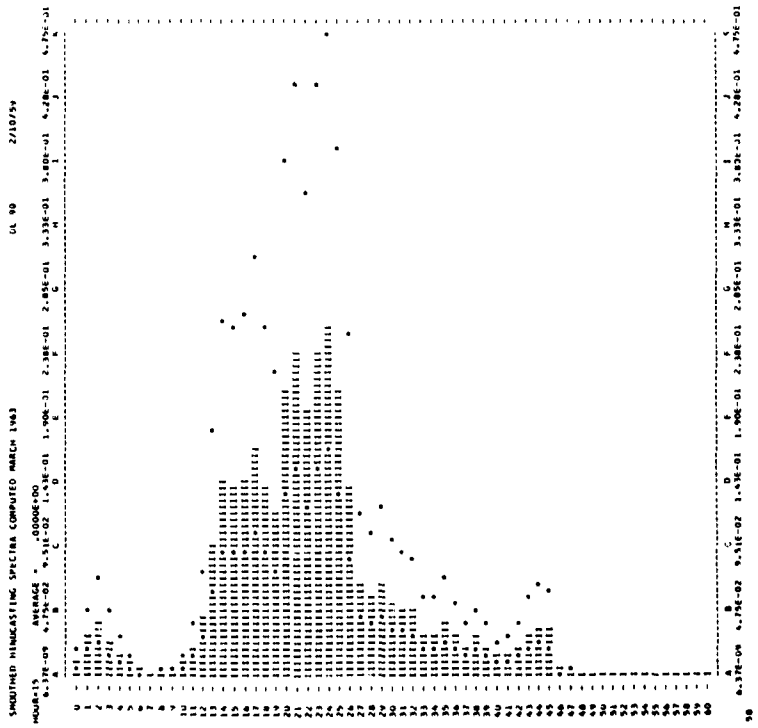
M	FRE.	UNIT=FT.2 FILTERED	-NOISE	CONR.FT.2	UPPER	LOWER
0	.000	.0157	.0157	.0140	.0257	.0069
1	.006	.0188	.0188	.0171	.0315	.0109
2	.011	.0194	.0194	.0177	.0325	.0112
3	.017	.0126	.0126	.0109	.0200	.0069
4	.022	.0086	.0086	.0068	.0089	.0031
5	.028	.0039	.0039	.0022	.0040	.0014
6	.033	.0025	.0024	.0008	.0013	.0008
7	.039	.0019	.0019	.0002	.0003	.0002
8	.044	.0020	.0020	.0003	.0001	.0006
9	.050	.0034	.0034	.0016	.0018	.0034
10	.056	.0119	.0119	.0102	.0149	.0200
11	.061	.0209	.0208	.0191	.0198	.0365
12	.067	.0227	.0227	.0210	.0215	.0397
13	.072	.0445	.0445	.0428	.0439	.0804
14	.078	.1221	.1221	.1204	.1246	.2796
15	.083	.2221	.2221	.2204	.2317	.4271
16	.089	.2458	.2458	.2439	.2594	.4780
17	.094	.2371	.2371	.2354	.2598	.4788
18	.100	.2835	.2835	.2817	.3207	.5912
19	.106	.2595	.2595	.2577	.3063	.5808
20	.111	.1571	.1571	.1553	.1908	.3516
21	.117	.1091	.1091	.1076	.1378	.2541
22	.122	.1094	.1094	.1076	.1445	.2663
23	.128	.1164	.1164	.1147	.1618	.2982
24	.133	.1015	.1015	.0998	.1483	.2734
25	.139	.0694	.0694	.0678	.1064	.1961
26	.144	.0439	.0439	.0422	.0703	.1297
27	.150	.0285	.0285	.0267	.0474	.0876
28	.156	.0256	.0256	.0237	.0447	.0827
29	.161	.0274	.0274	.0257	.0520	.0959
30	.167	.0279	.0279	.0262	.0568	.1048
31	.172	.0239	.0239	.0222	.0517	.0953
32	.178	.0198	.0198	.0180	.0454	.0837
33	.183	.0167	.0167	.0150	.0408	.0752
34	.189	.0114	.0114	.0096	.0284	.0524
35	.194	.0063	.0063	.0046	.0144	.0272
36	.200	.0038	.0038	.0021	.0076	.0138
37	.206	.0071	.0071	.0054	.0207	.0381
38	.211	.0100	.0100	.0082	.0344	.0636
39	.217	.0069	.0069	.0052	.0239	.0440
40	.222	.0057	.0060	.0043	.0217	.0400
41	.228	.0054	.0049	.0036	.0198	.0365
42	.233	.0039	.0041	.0024	.0148	.0272
43	.239	.0030	.0032	.0015	.0099	.0183
44	.244	.0029	.0028	.0011	.0085	.0157
45	.250	.0026	.0028	.0011	.0093	.0171
46	.256	.0032	.0030	.0013	.0121	.0224
47	.261	.0031	.0028	.0011	.0116	.0214
48	.267	.0020	.0023	.0005	.0083	.0117
49	.272	.0020	.0021	.0004	.0053	.0097
50	.278	.0025	.0023	.0006	.0084	.0156
51	.283	.0022	.0022	.0005	.0081	.0149
52	.289	.0019	.0020	.0003	.0062	.0115
53	.294	.0022	.0022	.0005	.0099	.0183
54	.300	.0024	.0021	.0004	.0097	.0178
55	.306	.0014	.0016	.0000	.0000	.0000
56	.311	.0010	.0012	.0000	.0000	.0000
57	.317	.0013	.0013	.0000	.0000	.0000
58	.322	.0014	.0014	.0000	.0000	.0000
59	.328	.0015	.0015	.0000	.0000	.0000
60	.333	.0016	.0016	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 2/10/59 AV. T= 7.6 RECORD = DL 90
HOUR = 15 SIG.HGT. = 7.5 UPPER HGT. = 7.9
TOTAL OF =225 CONV. VAR. = 3.3 LOWER HGT. = 6.7
NOISE LEVEL = .0014 WIND SPEED = 25

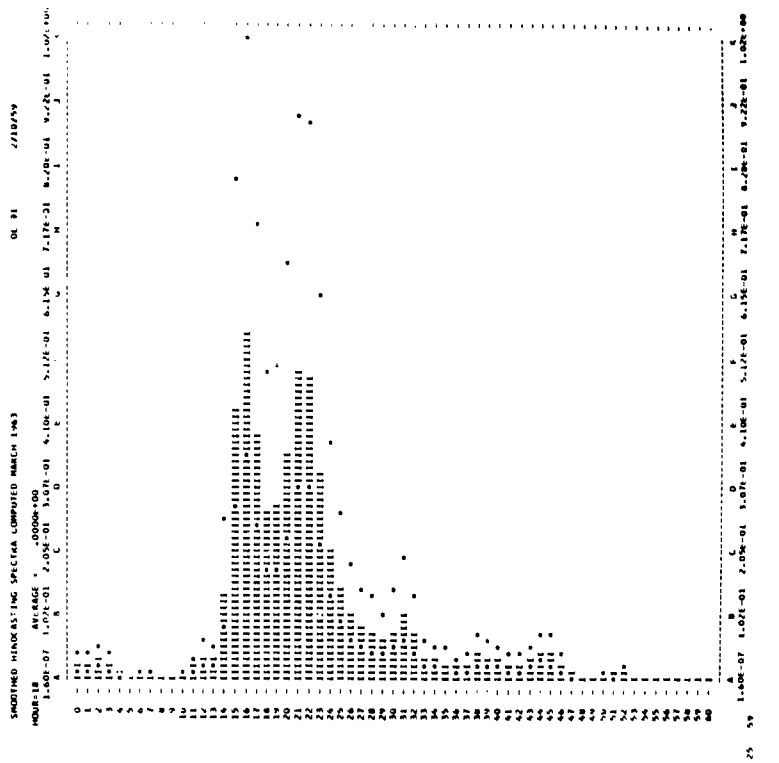
M	FRE.	UNIT=FT.2 FILTERED	-NOISE	CONR.FT.2	UPPER	LOWER
0	.000	.0124	.0124	.0110	.0110	.0203	.0070
1	.006	.0278	.0278	.0264	.0264	.0487	.0168
2	.011	.0398	.0398	.0386	.0384	.0708	.0245
3	.017	.0272	.0272	.0258	.0258	.0476	.0165
4	.022	.0159	.0159	.0145	.0145	.0268	.0093
5	.028	.0086	.0086	.0072	.0072	.0133	.0046
6	.033	.0031	.0031	.0017	.0027	.0050	.0017
7	.039	.0023	.0023	.0006	.0012	.0023	.0008
8	.044	.0025	.0025	.0011	.0014	.0025	.0009
9	.050	.0031	.0031	.0017	.0019	.0036	.0012
10	.056	.0093	.0093	.0079	.0084	.0156	.0054
11	.061	.0201	.0201	.0187	.0194	.0358	.0126
12	.067	.0427	.0427	.0413	.0424	.0781	.0270
13	.072	.0959	.0959	.0945	.0970	.1788	.0618
14	.078	.1372	.1372	.1358	.1406	.2591	.0895
15	.083	.1336	.1336	.1320	.1388	.2559	.0884
16	.089	.1360	.1360	.1346	.1432	.2639	.0912
17	.094	.1532	.1532	.1518	.1675	.3088	.1067
18	.100	.1236	.1236	.1222	.1392	.2565	.0886
19	.106	.1039	.1039	.1025	.1210	.2231	.0771
20	.111	.1706	.1706	.1690	.2076	.3826	.1322
21	.117	.1859	.1859	.1845	.2365	.4359	.1506
22	.122	.1463	.1463	.1449	.1946	.3586	.1239
23	.128	.1689	.1689	.1675	.2363	.4356	.1505
24	.133	.1748	.1748	.1734	.2579	.4754	.1642
25	.139	.1356	.1356	.1342	.2112	.3892	.1345
26	.144	.0828	.0828	.0814	.1359	.2504	.0865
27	.150	.0380	.0380	.0366	.0650	.1198	.0414
28	.156	.0317	.0317	.0303	.0576	.1058	.0365
29	.161	.0340	.0340	.0326	.0660	.1217	.0420
30	.167	.0264	.0264	.0250	.0543	.1002	.0346
31	.172	.0223	.0223	.0209	.0488	.0900	.0311
32	.178	.0197	.0197	.0183	.0462	.0851	.0294
33	.183	.0176	.0176	.0112	.0305	.0563	.0194
34	.189	.0116	.0116	.0102	.0302	.0556	.0192
35	.194	.0136	.0136	.0122	.0392	.0722	.0249
36	.200	.0097	.0097	.0083	.0291	.0536	.0185
37	.206	.0068	.0068	.0054	.0207	.0382	.0132
38	.211	.0078	.0078	.0064	.0269	.0495	.0171
39	.217	.0058	.0058	.0044	.0203	.0375	.0129
40	.222	.0054	.0041	.0028	.0141	.0259	.0089
41	.228	.0040	.0040	.0027	.0148	.0273	.0094
42	.233	.0047	.0048	.0035	.0213	.0393	.0136
43	.239	.0059	.0057	.0044	.0298	.0548	.0189
44	.244	.0044	.0060	.0047	.0354	.0652	.0225
45	.250	.0054	.0053	.0040	.0335	.0617	.0213
46	.256	.0041	.0041	.0028	.0028	.0051	.0018
47	.261	.0029	.0030	.0017	.0017	.0031	.0011
48	.267	.0022	.0022	.0008	.0008	.0015	.0005
49	.272	.0015	.0016	.0003	.0003	.0005	.0002
50	.278	.0014	.0016	.0003	.0003	.0005	.0002
51	.283	.0023	.0020	.0007	.0007	.0012	.0004
52	.289	.0021	.0020	.0006	.0006	.0011	.0004
53	.294	.0014	.0014	.0003	.0003	.0005	.0002
54	.300	.0016	.0015	.0001	.0001	.0003	.0001
55	.306	.0014	.0011	.0000	.0000	.0000	.0000
56	.311	.0009	.0010	.0000	.0000	.0000	.0000
57	.317	.0010	.0010	.0000	.0000	.0000	.0000
58	.322	.0013	.0011	.0000	.0000	.0000	.0000
59	.328	.0010	.0010	.0000	.0000	.0000	.0000
60	.333	.0008	.0009	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 2/10/59 AV. T= 7.9 RECORD = DL 91
HOUR = 18 SIG.HGT. = 9.2 UPPER HGT. = 10.0
TOTAL DF =166 CORR. VAR. = 5.3 LOWER HGT. = 8.4
NOISE LEVEL = .0026 WIND SPEED = 25

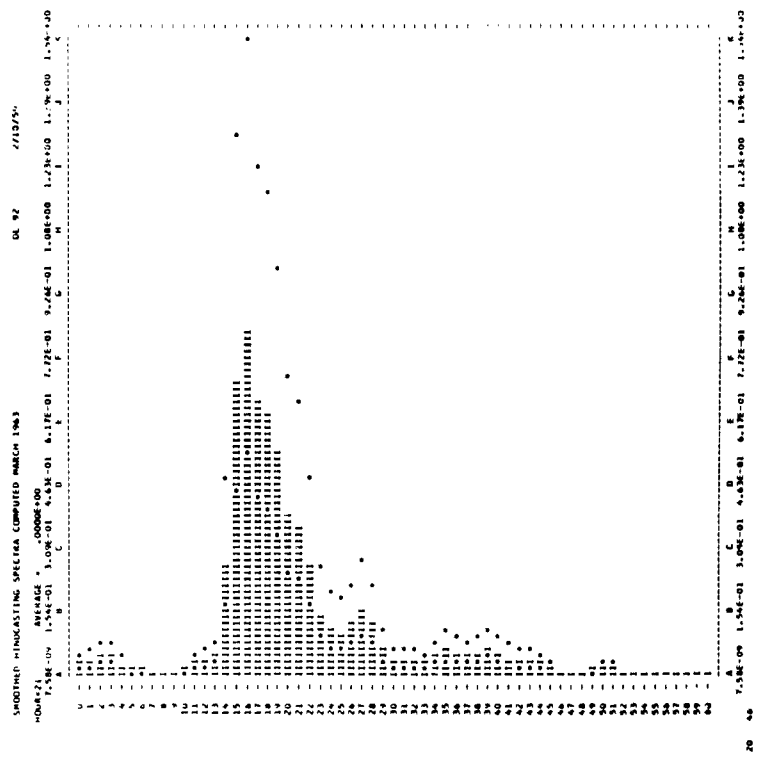
M	FRE.	UNIT-FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0238	.0238	.0212	.0212	.0392	.0135
1	.006	.0245	.0245	.0219	.0219	.0404	.0140
2	.011	.0283	.0283	.0257	.0257	.0475	.0164
3	.017	.0225	.0225	.0199	.0199	.0368	.0127
4	.022	.0099	.0099	.0073	.0073	.0135	.0047
5	.028	.0053	.0053	.0027	.0027	.0051	.0017
6	.033	.0054	.0054	.0028	.0045	.0083	.0029
7	.039	.0058	.0058	.0032	.0043	.0079	.0027
8	.044	.0048	.0048	.0022	.0027	.0049	.0017
9	.050	.0028	.0028	.0002	.0003	.0005	.0002
10	.056	.0054	.0054	.0028	.0030	.0056	.0019
11	.061	.0182	.0182	.0156	.0162	.0299	.0103
12	.067	.0324	.0324	.0298	.0406	.0564	.0195
13	.072	.0308	.0308	.0282	.0290	.0534	.0185
14	.078	.1362	.1362	.1316	.1383	.2511	.0868
15	.083	.4155	.4155	.4129	.4342	.8002	.2765
16	.089	.5294	.5294	.5228	.5559	1.0247	.3540
17	.094	.3585	.3585	.3559	.3927	.7237	.2501
18	.100	.2365	.2365	.2339	.2663	.4909	.1696
19	.106	.2326	.2326	.2300	.2716	.5005	.1729
20	.111	.2964	.2964	.2938	.3608	.6651	.2298
21	.117	.3846	.3846	.3820	.4897	.9025	.3118
22	.122	.3643	.3643	.3617	.4856	.8950	.3092
23	.128	.2374	.2374	.2348	.3316	.6115	.2112
24	.133	.1416	.1416	.1390	.2068	.3811	.1317
25	.139	.0950	.0950	.0924	.1454	.2680	.0926
26	.144	.0622	.0622	.0596	.0995	.1834	.0634
27	.150	.0468	.0468	.0442	.0785	.1446	.0500
28	.156	.0396	.0396	.0370	.0701	.1292	.0446
29	.161	.0310	.0310	.0284	.0575	.1061	.0366
30	.167	.0379	.0379	.0353	.0767	.1414	.0488
31	.172	.0467	.0467	.0441	.1030	.1898	.0656
32	.178	.0304	.0304	.0278	.0701	.1292	.0446
33	.183	.0146	.0146	.0120	.0327	.0603	.0208
34	.189	.0119	.0119	.0093	.0275	.0508	.0175
35	.194	.0105	.0105	.0079	.0254	.0469	.0162
36	.200	.0078	.0078	.0052	.0183	.0337	.0117
37	.206	.0088	.0088	.0062	.0238	.0438	.0151
38	.211	.0113	.0113	.0087	.0365	.0672	.0232
39	.217	.0100	.0100	.0074	.0341	.0629	.0217
40	.222	.0073	.0077	.0052	.0241	.0480	.0166
41	.228	.0063	.0064	.0038	.0212	.0392	.0135
42	.233	.0056	.0060	.0035	.0213	.0393	.0136
43	.239	.0066	.0069	.0044	.0300	.0552	.0191
44	.244	.0090	.0080	.0054	.0411	.0758	.0262
45	.250	.0073	.0070	.0044	.0374	.0689	.0238
46	.256	.0063	.0067	.0022	.0207	.0382	.0132
47	.261	.0031	.0033	.0007	.0076	.0140	.0048
48	.267	.0026	.0027	.0002	.0020	.0037	.0013
49	.272	.0026	.0026	.0001	.0009	.0017	.0006
50	.278	.0027	.0028	.0002	.0033	.0061	.0021
51	.283	.0031	.0030	.0005	.0080	.0148	.0051
52	.289	.0032	.0030	.0005	.0096	.0177	.0061
53	.294	.0027	.0026	.0001	.0021	.0039	.0013
54	.300	.0020	.0021	.0000	.0000	.0000	.0000
55	.306	.0016	.0018	.0000	.0000	.0000	.0000
56	.311	.0019	.0020	.0000	.0000	.0000	.0000
57	.317	.0026	.0026	.0000	.0008	.0014	.0005
58	.322	.0032	.0030	.0004	.0004	.0008	.0003
59	.3.	.0029	.0028	.0003	.0003	.0005	.0002
60	.333	.0023	.0026	.0000	.0000	.0001	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 2/10/59 AV. T= 8.3 RECORD = DL 92
HOUR = 21 SIG.HGT. = 10.1 UPPER HGT. = 11.1
TOTAL DF =141 CORR. VAR. = 6.4 LOWER HGT. = 9.2
NOISE LEVEL = .0029 WIND SPEED = 25

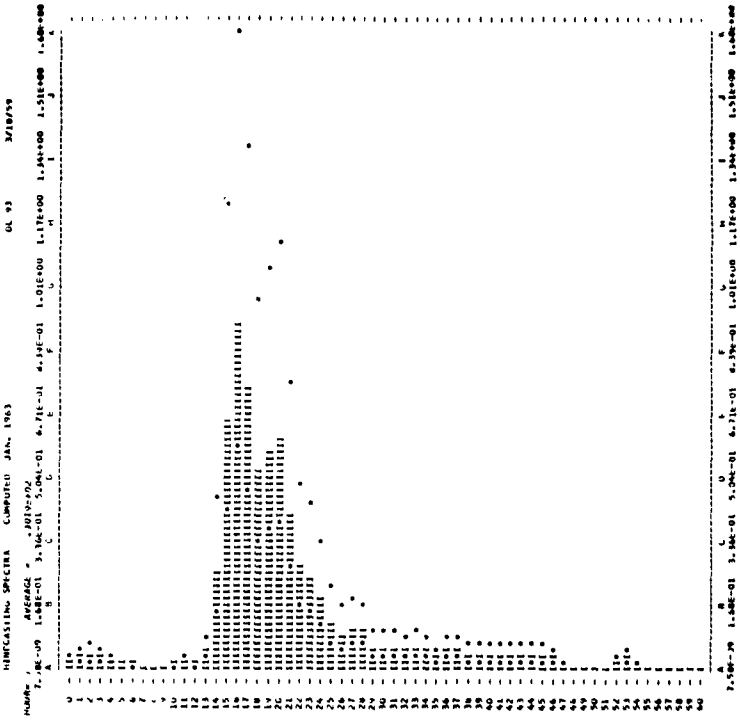
M	FRE.	UNIT-FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0273	.0273	.0244	.0244	.0450	.0156
1	.006	.0322	.0322	.0293	.0293	.0541	.0187
2	.011	.0441	.0441	.0412	.0412	.0760	.0263
3	.017	.0431	.0431	.0402	.0402	.0742	.0256
4	.022	.0247	.0247	.0218	.0218	.0402	.0139
5	.028	.0127	.0127	.0098	.0098	.0181	.0063
6	.033	.0080	.0080	.0051	.0081	.0149	.0052
7	.039	.0038	.0038	.0009	.0012	.0023	.0008
8	.044	.0022	.0022	.0000	.0000	.0000	.0000
9	.050	.0040	.0040	.0011	.0013	.0023	.0008
10	.056	.0108	.0108	.0079	.0084	.0156	.0054
11	.061	.0254	.0254	.0225	.0234	.0431	.0149
12	.067	.0330	.0330	.0301	.0309	.0570	.0197
13	.072	.0459	.0459	.0430	.0442	.0814	.0281
14	.078	.2958	.2958	.2929	.2618	.4825	.1667
15	.083	.6792	.6792	.6763	.7111	1.3107	.4528
16	.089	.7903	.7903	.7874	.8373	1.5432	.5331
17	.094	.6080	.6080	.6051	.6677	1.2307	.4252
18	.100	.5582	.5582	.5553	.6322	1.1652	.4025
19	.106	.4564	.4564	.4535	.5354	.9868	.3409
20	.111	.3217	.3217	.3188	.3915	.7217	.2493
21	.117	.2814	.2814	.2785	.3570	.6580	.2273
22	.122	.1949	.1949	.1920	.2578	.4751	.1641
23	.128	.1017	.1017	.0988	.1394	.2570	.0888
24	.133	.0739	.0739	.0706	.1050	.1936	.0669
25	.139	.0469	.0468	.0416	.0970	.1787	.0617
26	.144	.0728	.0728	.0699	.1167	.2151	.0743
27	.150	.0896	.0896	.0867	.1538	.2835	.0980
28	.156	.0656	.0656	.0627	.1187	.2188	.0756
29	.161	.0326	.0326	.0295	.0598	.1101	.0380
30	.167	.0186	.0186	.0157	.0342	.0630	.0217
31	.172	.0171	.0171	.0142	.0332	.0612	.0211
32	.178	.0158	.0158	.0129	.0328	.0600	.0207
33	.183	.0133	.0133	.0104	.0284	.0523	.0181
34	.189	.0179	.0179	.0150	.0443	.0817	.0282
35	.194	.0209	.0209	.0180	.0578	.1064	.0368
36	.200	.0165	.0165	.0136	.0476	.0877	.0303
37	.206	.0133	.0133	.0104	.0398	.0733	.0253
38	.211	.0141	.0141	.0112	.0469	.0864	.0298
39	.217	.0161	.0161	.0132	.0607	.1118	.0386
40	.222	.0137	.0130	.0102	.0514	.0947	.0327
41	.228	.0097	.0097	.0068	.0379	.0698	.0241
42	.233	.0076	.0080	.0051	.0318	.0582	.0201
43	.239	.0081	.0077	.0048	.0328	.0605	.0209
44	.244	.0069	.0065	.0037	.0280	.0515	.0178
45	.250	.0063	.0065	.0017	.0141	.0259	.0089
46	.256	.0026	.0030	.0002	.0015	.0028	.0010
47	.261	.0026	.0027	.0000	.0000	.0000	.0000
48	.267	.0032	.0031	.0003	.0034	.0063	.0022
49	.272	.0036	.0036	.0007	.0099	.0182	.0063
50	.278	.0040	.0039	.0010	.0153	.0282	.0097
51	.283	.0039	.0036	.0008	.0130	.0240	.0083
52	.289	.0027	.0028	.0000	.0000	.0000	.0000
53	.294	.0018	.0021	.0000	.0000	.0000	.0000
54	.300	.0021	.0023	.0000	.0000	.0000	.0000
55	.306	.0028	.0027	.0000	.0000	.0000	.0000
56	.311	.0031	.0030	.0001	.0017	.0068	.0024
57	.317	.0029	.0028	.0000	.0000	.0000	.0000
58	.322	.0027	.0026	.0000	.0000	.0000	.0000
59	.328	.0030	.0031	.0002	.0002	.0004	.0002
60	.333	.0042	.0036	.0007	.0007	.0014	.0005



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 3/10/59 AV. T= 8.2 #ECORD = DL 93
HOUR = 0 SIG.HGT. = 10.6 UPPER HGT. = 11.5
TOTAL DF =162 CORR. VAR. = 6.8 LOWER HGT. = 9.9
NOISE LEVEL = .0036 WIND SPEED = 25

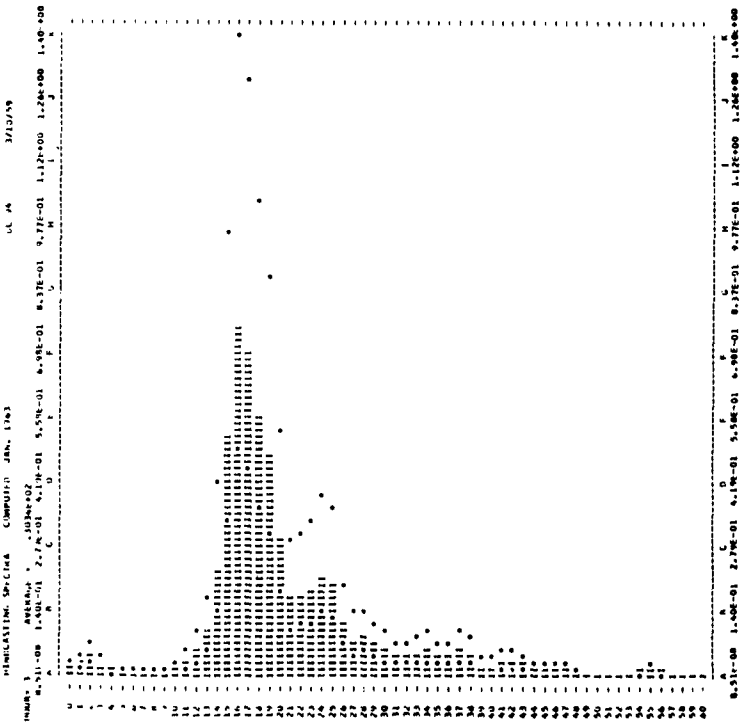
H	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0225	.0225	.0189	.0189	.0348	.0120
1	.006	.0288	.0288	.0252	.0252	.0465	.0161
2	.011	.0363	.0363	.0327	.0327	.0602	.0208
3	.017	.0298	.0298	.0262	.0262	.0483	.0167
4	.022	.0216	.0216	.0178	.0178	.0329	.0114
5	.028	.0171	.0171	.0135	.0135	.0248	.0086
6	.033	.0103	.0103	.0067	.0105	.0193	.0067
7	.039	.0061	.0061	.0025	.0033	.0061	.0021
8	.044	.0036	.0036	.0000	.0000	.0000	.0000
9	.050	.0062	.0062	.0026	.0029	.0053	.0018
10	.056	.0134	.0134	.0098	.0104	.0192	.0066
11	.061	.0206	.0206	.0170	.0176	.0326	.0112
12	.067	.0162	.0162	.0126	.0129	.0238	.0082
13	.072	.0479	.0479	.0443	.0455	.0838	.0289
14	.078	.2446	.2446	.2410	.2495	.4598	.1589
15	.083	.4322	.4322	.4286	.4809	1.2161	.4208
16	.089	.8000	.8000	.8564	.9106	1.6784	.5798
17	.094	.6746	.6746	.6760	.7459	1.3749	.4750
18	.100	.4666	.4666	.4630	.5271	.9714	.3356
19	.106	.4931	.4931	.4895	.5779	1.0652	.3680
20	.111	.4995	.4995	.4959	.6099	1.1243	.3877
21	.117	.3232	.3232	.3196	.4016	.7544	.2608
22	.122	.1979	.1979	.1943	.2609	.4809	.1661
23	.128	.1731	.1731	.1695	.2341	.4407	.1522
24	.133	.1769	.1769	.1733	.1833	.3379	.1167
25	.139	.0780	.0780	.0746	.1171	.2158	.0746
26	.144	.0559	.0559	.0523	.0873	.1610	.0556
27	.150	.0622	.0622	.0586	.1040	.1917	.0662
28	.156	.0560	.0560	.0504	.0953	.1756	.0607
29	.161	.0312	.0312	.0276	.0558	.1029	.0356
30	.167	.0271	.0271	.0235	.0511	.0942	.0325
31	.172	.0263	.0263	.0227	.0529	.0975	.0337
32	.178	.0221	.0221	.0185	.0465	.0857	.0296
33	.183	.0239	.0239	.0203	.0552	.1017	.0351
34	.189	.0181	.0181	.0146	.0429	.0791	.0273
35	.194	.0131	.0131	.0095	.0305	.0562	.0194
36	.200	.0158	.0158	.0122	.0425	.0784	.0271
37	.206	.0151	.0151	.0115	.0460	.0810	.0280
38	.211	.0125	.0125	.0089	.0373	.0687	.0237
39	.217	.0115	.0115	.0079	.0361	.0666	.0230
40	.222	.0111	.0110	.0076	.0376	.0692	.0239
41	.228	.0105	.0103	.0067	.0372	.0686	.0237
42	.233	.0091	.0092	.0056	.0364	.0616	.0219
43	.239	.0081	.0084	.0048	.0326	.0601	.0208
44	.244	.0082	.0083	.0047	.0359	.0662	.0229
45	.250	.0088	.0091	.0054	.0380	.0700	.0242
46	.256	.0086	.0064	.0028	.0260	.0479	.0166
47	.261	.0035	.0062	.0006	.0065	.0120	.0041
48	.267	.0034	.0033	.0000	.0000	.0000	.0000
49	.272	.0031	.0029	.0000	.0000	.0000	.0000
50	.278	.0018	.0025	.0000	.0000	.0000	.0000
51	.283	.0024	.0029	.0000	.0000	.0000	.0000
52	.289	.0052	.0046	.0010	.0192	.0354	.0122
53	.294	.0056	.0050	.0014	.0312	.0575	.0197
54	.300	.0038	.0038	.0003	.0084	.0156	.0053
55	.306	.0028	.0031	.0000	.0000	.0000	.0000
56	.311	.0031	.0032	.0000	.0000	.0000	.0000
57	.317	.0037	.0038	.0000	.0000	.0000	.0000
58	.322	.0039	.0037	.0001	.0000	.0000	.0000
59	.328	.0031	.0032	.0000	.0000	.0000	.0000
60	.333	.0024	.0028	.0000	.0000	.0000	.0000



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 3/10/59 AV. T= 8.3 #ECORD = DL 94
HOUR = 3 SIG.HGT. = 9.6 UPPER HGT. = 10.5
TOTAL DF =146 CORR. VAR. = 5.7 LOWER HGT. = 8.7
NOISE LEVEL = .0018 WIND SPEED = 30

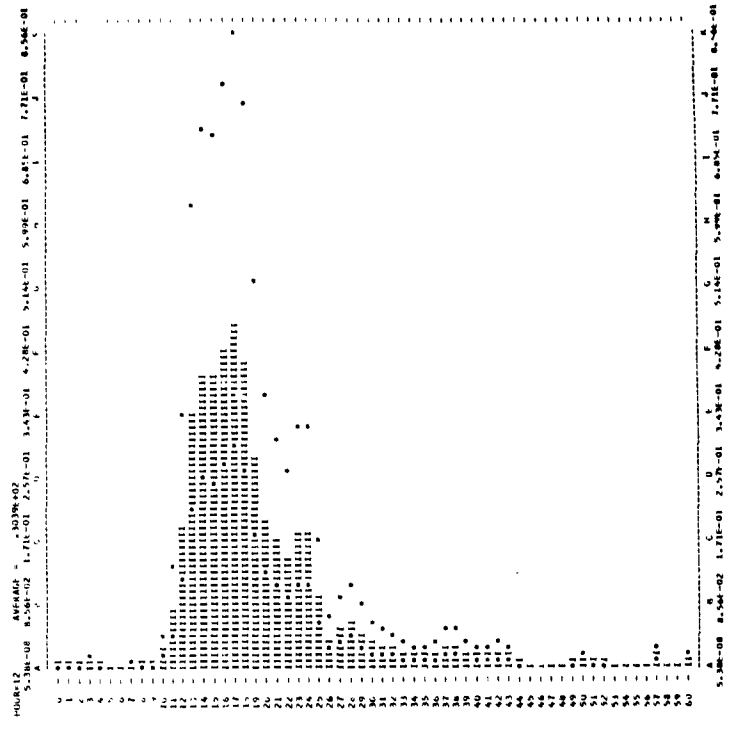
H	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0143	.0143	.0125	.0125	.0230	.0073
1	.006	.0278	.0278	.0260	.0260	.0479	.0167
2	.011	.0384	.0384	.0365	.0365	.0673	.0233
3	.017	.0226	.0226	.0208	.0208	.0383	.0132
4	.022	.0099	.0099	.0080	.0080	.0148	.0051
5	.028	.0088	.0088	.0070	.0070	.0128	.0044
6	.033	.0061	.0061	.0043	.0067	.0124	.0043
7	.039	.0050	.0050	.0032	.0062	.0078	.0027
8	.044	.0056	.0056	.0038	.0065	.0083	.0029
9	.050	.0079	.0079	.0061	.0068	.0124	.0043
10	.056	.0166	.0166	.0148	.0177	.0289	.0100
11	.061	.0325	.0325	.0307	.0319	.0587	.0203
12	.067	.0544	.0544	.0525	.0539	.0993	.0343
13	.072	.0937	.0937	.0919	.0963	.1737	.0610
14	.078	.2198	.2198	.2180	.2296	.4158	.1436
15	.083	.4963	.4963	.4944	.5199	.9582	.3310
16	.089	.7140	.7140	.7121	.7572	1.3656	.4821
17	.094	.6402	.6402	.6384	.7044	1.2983	.4585
18	.100	.4938	.4938	.4920	.5601	1.0321	.3586
19	.106	.4012	.4012	.3994	.4714	.8689	.3002
20	.111	.2383	.2383	.2365	.2904	.5353	.1849
21	.117	.1286	.1286	.1268	.1625	.2995	.1035
22	.122	.1285	.1285	.1266	.1700	.3134	.1083
23	.128	.1328	.1328	.1309	.1847	.3406	.1176
24	.133	.1635	.1635	.1617	.2107	.3885	.1341
25	.139	.1267	.1267	.1249	.1933	.3562	.1231
26	.144	.0658	.0658	.0640	.1068	.1968	.0680
27	.150	.0444	.0444	.0426	.0756	.1393	.0481
28	.156	.0424	.0424	.0406	.0768	.1416	.0489
29	.161	.0330	.0330	.0312	.0630	.1162	.0401
30	.167	.0270	.0270	.0252	.0547	.1008	.0348
31	.172	.0195	.0195	.0176	.0411	.0758	.0262
32	.178	.0159	.0159	.0141	.0354	.0653	.0226
33	.183	.0193	.0193	.0175	.0475	.0875	.0302
34	.189	.0191	.0191	.0172	.0408	.0937	.0324
35	.194	.0141	.0141	.0123	.0394	.0726	.0251
36	.200	.0136	.0136	.0117	.0409	.0755	.0261
37	.206	.0162	.0162	.0144	.0547	.1009	.0349
38	.211	.0130	.0130	.0112	.0469	.0865	.0298
39	.217	.0062	.0062	.0044	.0280	.0369	.0127
40	.222	.0050	.0049	.0041	.0206	.0380	.0131
41	.228	.0076	.0070	.0051	.0285	.0526	.0182
42	.233	.0074	.0070	.0052	.0320	.0590	.0204
43	.239	.0068	.0051	.0033	.0226	.0418	.0144
44	.244	.0024	.0035	.0017	.0130	.0240	.0083
45	.250	.0036	.0036	.0018	.0133	.0245	.0084
46	.256	.0038	.0036	.0017	.0164	.0303	.0105
47	.261	.0033	.0031	.0013	.0135	.0249	.0086
48	.267	.0071	.0073	.0054	.0053	.0097	.0034
49	.272	.0017	.0018	.0000	.0000	.0000	.0000
50	.278	.0018	.0017	.0000	.0000	.0000	.0000
51	.283	.0016	.0017	.0000	.0000	.0000	.0000
52	.289	.0016	.0018	.0000	.0000	.0000	.0000
53	.294	.0018	.0018	.0000	.0000	.0000	.0000
54	.300	.0023	.0027	.0006	.0091	.0168	.0058
55	.306	.0025	.0023	.0005	.0143	.0264	.0091
56	.311	.0020	.0021	.0002	.0082	.0151	.0052
57	.317	.0018	.0019	.0001	.0025	.0048	.0016
58	.322	.0019	.0018	.0000	.0000	.0000	.0000
59	.328	.0016	.0019	.0000	.0000	.0000	.0000
60	.333	.0012	.0014	.0000	.0000	.0000	.0000



HINDCASTING SPECTRA COMPUTED JAN, 1963

DATE = 3/10/59 AV. T= 8.8 RECORD = DE 95
HOUR = 12 SIG.HGT. = 8.5 UPPER HGT. = 9.3
TOTAL OF =159 CORR. VAR. = 6.5 LOWER HGT. = 7.8
NOISE LEVEL = .0023 WIND SPEED = 20

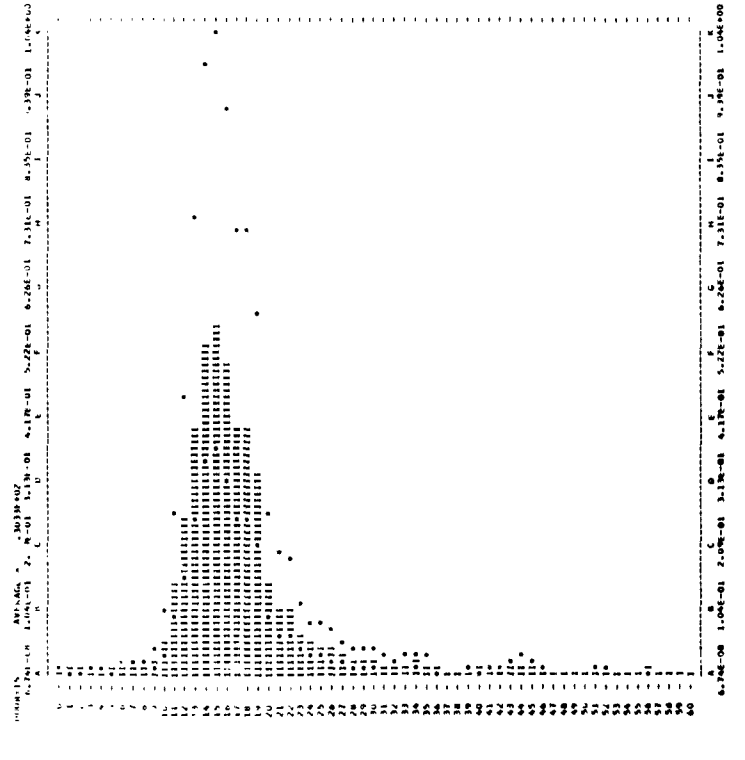
H	FREQ. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0073	.0050	.0050	.0092	.0032
1	.006	.0067	.0067	.0044	.0084	.0028
2	.011	.0079	.0079	.0056	.0096	.0036
3	.017	.0107	.0102	.0078	.0124	.0050
4	.022	.0081	.0081	.0058	.0098	.0037
5	.028	.0065	.0065	.0022	.0080	.0014
6	.033	.0034	.0034	.0011	.0037	.0011
7	.039	.0065	.0065	.0022	.0059	.0018
8	.044	.0063	.0063	.0040	.0068	.0040
9	.050	.0077	.0077	.0056	.0060	.0110
10	.056	.0248	.0248	.0225	.0239	.0441
11	.061	.0727	.0727	.0704	.0730	.1346
12	.067	.1421	.1421	.1747	.1443	.3308
13	.072	.3321	.3321	.3298	.1383	.6236
14	.078	.3859	.3859	.3836	.3970	.7317
15	.083	.3732	.3732	.3709	.3849	.7147
16	.089	.4023	.4023	.4000	.4251	.7839
17	.094	.4234	.4234	.4211	.4446	.8564
18	.100	.3650	.3650	.3627	.4179	.7610
19	.106	.2408	.2408	.2385	.2815	.4589
20	.111	.1655	.1655	.1632	.2004	.3693
21	.117	.1343	.1343	.1320	.1692	.3119
22	.122	.1091	.1091	.1067	.1433	.2641
23	.128	.1270	.1270	.1247	.1759	.3242
24	.133	.1206	.1206	.1183	.1740	.3243
25	.139	.0618	.0615	.0595	.0936	.1725
26	.144	.0251	.0251	.0228	.0380	.0700
27	.150	.0300	.0300	.0277	.0471	.0908
28	.156	.0349	.0349	.0326	.0616	.1136
29	.161	.0245	.0245	.0221	.0448	.0825
30	.167	.0165	.0165	.0141	.0307	.0565
31	.172	.0147	.0147	.0123	.0288	.0531
32	.178	.0123	.0123	.0099	.0250	.0460
33	.183	.0096	.0096	.0073	.0199	.0366
34	.189	.0078	.0078	.0056	.0180	.0296
35	.194	.0064	.0064	.0040	.0129	.0237
36	.200	.0075	.0075	.0052	.0181	.0334
37	.206	.0092	.0092	.0068	.0260	.0480
38	.211	.0087	.0087	.0064	.0266	.0489
39	.217	.0067	.0067	.0044	.0202	.0373
40	.222	.0043	.0050	.0027	.0137	.0252
41	.228	.0048	.0050	.0027	.0148	.0273
42	.233	.0060	.0053	.0030	.0185	.0341
43	.239	.0045	.0044	.0021	.0143	.0266
44	.244	.0027	.0030	.0007	.0054	.0099
45	.250	.0022	.0023	.0000	.0000	.0000
46	.256	.0020	.0020	.0000	.0000	.0000
47	.261	.0017	.0019	.0000	.0000	.0000
48	.267	.0022	.0023	.0000	.0000	.0000
49	.272	.0031	.0028	.0005	.0063	.0117
50	.278	.0024	.0028	.0005	.0073	.0134
51	.283	.0026	.0026	.0003	.0049	.0091
52	.289	.0027	.0026	.0003	.0051	.0094
53	.294	.0025	.0023	.0000	.0000	.0000
54	.300	.0016	.0018	.0000	.0000	.0000
55	.306	.0015	.0018	.0000	.0000	.0000
56	.311	.0025	.0024	.0001	.0020	.0037
57	.317	.0030	.0027	.0003	.0129	.0238
58	.322	.0022	.0024	.0000	.0018	.0033
59	.328	.0022	.0023	.0000	.0000	.0000
60	.333	.0048	.0025	.0001	.0076	.0141



HINDCASTING SPECTRA COMPUTED JAN, 1963

DATE = 3/10/59 AV. T= 10.0 RECORD = DE 96
HOUR = 15 SIG.HGT. = 8.4 UPPER HGT. = 9.3
TOTAL OF =125 CORR. VAR. = 6.4 LOWER HGT. = 7.6
NOISE LEVEL = .0012 WIND SPEED = 0

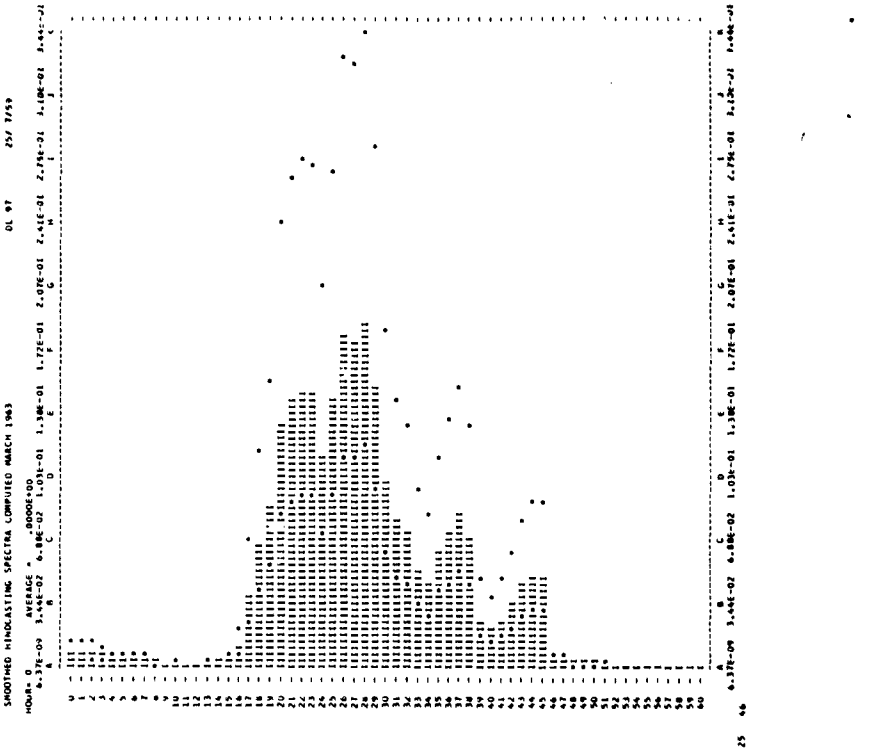
H	FREQ. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0057	.0057	.0045	.0083	.0029
1	.006	.0073	.0073	.0061	.0112	.0039
2	.011	.0073	.0073	.0061	.0113	.0039
3	.017	.0060	.0060	.0048	.0071	.0024
4	.022	.0050	.0050	.0034	.0058	.0024
5	.028	.0071	.0071	.0059	.0104	.0038
6	.033	.0083	.0083	.0071	.0112	.0037
7	.039	.0080	.0080	.0068	.0090	.0067
8	.044	.0118	.0118	.0106	.0126	.0233
9	.050	.0198	.0198	.0186	.0206	.0380
10	.056	.0536	.0536	.0524	.0557	.1026
11	.061	.1375	.1375	.1363	.1474	.2809
12	.067	.2409	.2409	.2397	.2478	.4531
13	.072	.3911	.3911	.3899	.4005	.7373
14	.078	.5193	.5193	.5180	.5386	.9882
15	.083	.5398	.5398	.5385	.5662	1.0436
16	.089	.4678	.4678	.4666	.4981	.9164
17	.094	.3564	.3564	.3552	.3920	.7224
18	.100	.3460	.3460	.3448	.3925	.7235
19	.106	.2721	.2721	.2709	.3198	.5894
20	.111	.1164	.1164	.1152	.1415	.2608
21	.117	.0835	.0835	.0823	.1055	.1944
22	.122	.0758	.0758	.0745	.1001	.1845
23	.128	.0460	.0460	.0448	.0632	.1165
24	.133	.0335	.0335	.0323	.0490	.0885
25	.139	.0288	.0288	.0276	.0436	.0800
26	.144	.0263	.0263	.0241	.0385	.0710
27	.150	.0175	.0175	.0163	.0270	.0534
28	.156	.0132	.0132	.0120	.0227	.0418
29	.161	.0131	.0131	.0119	.0240	.0442
30	.167	.0120	.0120	.0108	.0233	.0430
31	.172	.0079	.0079	.0067	.0197	.0288
32	.178	.0057	.0057	.0045	.0113	.0208
33	.183	.0066	.0066	.0053	.0149	.0288
34	.189	.0072	.0072	.0059	.0179	.0323
35	.194	.0059	.0059	.0047	.0150	.0276
36	.200	.0036	.0036	.0021	.0075	.0138
37	.206	.0017	.0017	.0005	.0018	.0034
38	.211	.0017	.0017	.0004	.0018	.0034
39	.217	.0023	.0023	.0011	.0049	.0091
40	.222	.0026	.0023	.0011	.0054	.0100
41	.228	.0017	.0019	.0007	.0035	.0070
42	.233	.0015	.0019	.0006	.0040	.0074
43	.239	.0027	.0026	.0014	.0094	.0174
44	.244	.0035	.0031	.0019	.0142	.0261
45	.250	.0026	.0025	.0013	.0112	.0206
46	.256	.0014	.0016	.0003	.0032	.0060
47	.261	.0008	.0010	.0000	.0000	.0000
48	.267	.0008	.0009	.0000	.0000	.0000
49	.272	.0013	.0012	.0000	.0000	.0000
50	.278	.0014	.0014	.0002	.0023	.0043
51	.283	.0014	.0014	.0002	.0036	.0062
52	.289	.0015	.0014	.0002	.0039	.0071
53	.294	.0013	.0013	.0001	.0011	.0021
54	.300	.0010	.0011	.0000	.0000	.0000
55	.306	.0012	.0012	.0000	.0033	.0065
56	.311	.0015	.0014	.0002	.0054	.0107
57	.317	.0013	.0013	.0000	.0016	.0030
58	.322	.0009	.0010	.0000	.0000	.0000
59	.328	.0010	.0010	.0000	.0000	.0000
60	.333	.0011	.0011	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 25/ 7/59 AV. T= 6.2 RECORD = DL 97
HOUR = 0 SIG.HGT. = 6.5 UPPER HGT. = 7.1
TOTAL DP =235 CORR. VAR. = 2.7 LOWER HGT. = 6.1
NOISE LEVEL = .0020 WIND SPEED = 20

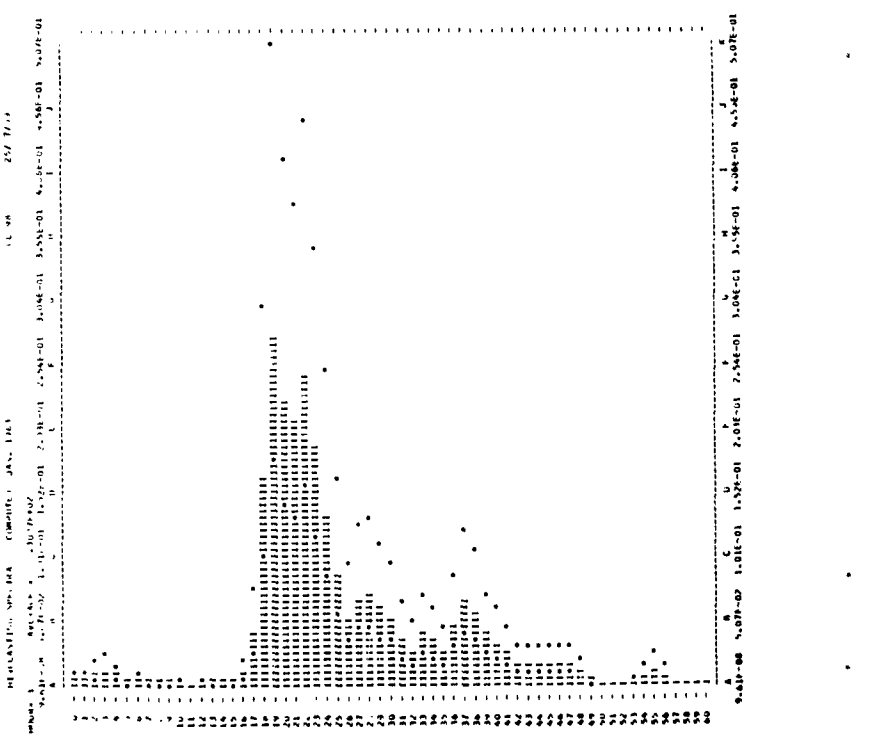
N	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0101	.0101	.0081	.0081	.0150	.0052
1	.006	.0101	.0101	.0081	-0081	.0150	.0052
2	.011	.0094	.0094	.0074	.0074	.0137	.0047
3	.017	.0079	.0079	.0059	.0059	.0109	.0038
4	.022	.0066	.0066	.0046	.0046	.0085	.0029
5	.028	.0054	.0054	.0034	.0034	.0063	.0022
6	.033	.0044	.0044	.0024	.0038	.0070	.0026
7	.039	.0046	.0046	.0026	.0035	.0064	.0022
8	.044	.0037	.0037	.0017	.0020	.0038	.0013
9	.050	.0027	.0027	.0007	.0008	.0015	.0005
10	.056	.0031	.0031	.0011	.0012	.0022	.0008
11	.061	.0024	.0024	.0004	.0004	.0008	.0003
12	.067	.0020	.0020	.0000	.0000	.0000	.0000
13	.072	.0034	.0014	.0014	.0015	.0027	.0009
14	.078	.0046	.0046	.0026	.0027	.0050	.0017
15	.083	.0060	.0060	.0040	.0042	.0078	.0027
16	.089	.0117	.0117	.0097	.0103	.0190	.0066
17	.094	.0362	.0362	.0342	.0378	.0696	.0240
18	.100	.0582	.0582	.0562	.0640	.1180	.0408
19	.106	.0739	.0739	.0719	.0849	.1565	.0541
20	.111	.1081	.1081	.1061	.1303	.2402	.0830
21	.117	.1136	.1136	.1116	.1431	.2637	.0911
22	.122	.1126	.1126	.1106	.1485	.2737	.0946
23	.128	.1060	.1060	.1040	.1467	.2704	.0934
24	.133	.0778	.0758	.0756	.1127	.2078	.0718
25	.139	.0961	.0961	.0921	.1449	.2671	.0923
26	.144	.1093	.1093	.1073	.1790	.3300	.1140
27	.150	.1019	.1019	.0999	.1772	.3266	.1128
28	.156	.1007	.1007	.0987	.1868	.3442	.1189
29	.161	.0776	.0776	.0756	.1530	.2819	.0974
30	.167	.0473	.0473	.0453	.0984	.1813	.0626
31	.172	.0355	.0355	.0335	.0782	.1441	.0498
32	.178	.0304	.0304	.0284	.0715	.1318	.0455
33	.183	.0212	.0212	.0192	.0522	.0963	.0333
34	.189	.0175	.0175	.0155	.0457	.0843	.0291
35	.194	.0215	.0215	.0195	.0625	.1152	.0398
36	.200	.0226	.0226	.0206	.0720	.1326	.0458
37	.206	.0237	.0217	.0217	.0827	.1525	.0527
38	.211	.0188	.0188	.0168	.0702	.1293	.0447
39	.217	.0075	.0075	.0055	.0293	.0466	.0161
40	.222	.0062	.0062	.0042	.0213	.0392	.0135
41	.228	.0069	.0066	.0046	.0255	.0471	.0163
42	.233	.0073	.0075	.0055	.0341	.0628	.0217
43	.239	.0086	.0083	.0063	.0431	.0794	.0276
44	.244	.0087	.0084	.0064	.0489	.0901	.0311
45	.250	.0077	.0076	.0057	.0479	.0883	.0305
46	.256	.0065	.0044	.0044	.0044	.0082	.0028
47	.261	.0050	.0051	.0031	.0031	.0058	.0020
48	.267	.0040	.0044	.0024	.0024	.0044	.0015
49	.272	.0045	.0044	.0024	.0024	.0044	.0015
50	.278	.0045	.0043	.0023	.0023	.0043	.0015
51	.283	.0038	.0036	.0017	.0017	.0031	.0011
52	.289	.0025	.0025	.0005	.0005	.0010	.0003
53	.294	.0012	.0015	.0000	.0000	.0000	.0000
54	.300	.0012	.0012	.0000	.0000	.0000	.0000
55	.306	.0013	.0014	.0000	.0000	.0000	.0000
56	.311	.0017	.0017	.0000	.0000	.0000	.0000
57	.317	.0017	.0019	.0000	.0000	.0000	.0000
58	.322	.0016	.0018	.0000	.0000	.0000	.0000
59	.328	.0019	.0020	.0000	.0000	.0000	.0000
60	.333	.0025	.0022	.0002	.0002	.0004	.0001



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 25/ 7/59 AV. T= 6.7 RECORD = DL 96
HOUR = 3 SIG.HGT. = 6.4 UPPER HGT. = 6.7
TOTAL DP =174 CORR. VAR. = 2.5 LOWER HGT. = 5.8
NOISE LEVEL = .0018 WIND SPEED = 25

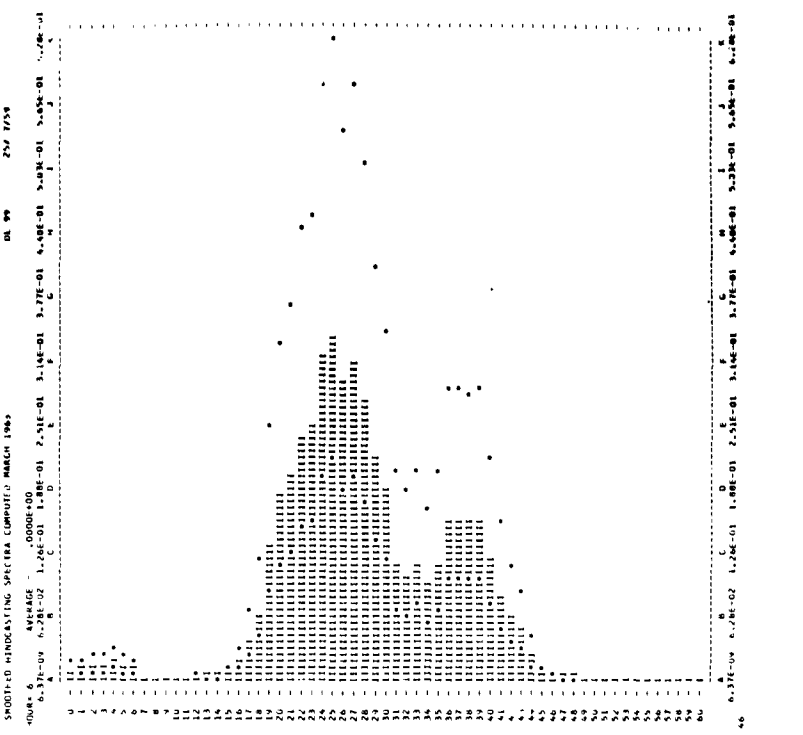
N	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0061	.0061	.0044	.0044	.0081	.0028
1	.006	.0083	.0083	.0065	.0065	.0117	.0041
2	.011	.0124	.0124	.0107	.0107	.0117	.0098
3	.017	.0144	.0144	.0127	.0127	.0236	.0081
4	.022	.0107	.0107	.0089	.0089	.0164	.0057
5	.028	.0057	.0057	.0039	.0039	.0072	.0025
6	.033	.0044	.0044	.0026	.0042	.0077	.0026
7	.039	.0045	.0045	.0027	.0036	.0067	.0023
8	.044	.0047	.0047	.0029	.0034	.0063	.0022
9	.050	.0047	.0047	.0030	.0033	.0061	.0021
10	.056	.0039	.0039	.0022	.0023	.0042	.0015
11	.061	.0026	.0026	.0008	.0004	.0015	.0005
12	.067	.0035	.0035	.0017	.0017	.0032	.0011
13	.072	.0055	.0055	.0037	.0034	.0071	.0024
14	.078	.0047	.0047	.0029	.0046	.0075	.0026
15	.083	.0053	.0053	.0036	.0037	.0069	.0024
16	.089	.0122	.0122	.0105	.0111	.0205	.0071
17	.094	.0403	.0403	.0376	.0425	.0784	.0271
18	.100	.1447	.1447	.1430	.1629	.3000	.1036
19	.106	.2368	.2368	.2351	.2751	.5071	.1752
20	.111	.1844	.1844	.1827	.2241	.4134	.1428
21	.117	.1627	.1627	.1609	.2003	.3692	.1313
22	.122	.1827	.1810	.1793	.2429	.4477	.1547
23	.128	.1960	.1943	.1926	.2466	.4438	.1584
24	.133	.0921	.0903	.0903	.1343	.2475	.0855
25	.139	.0569	.0552	.0552	.0844	.1600	.0553
26	.144	.0329	.0329	.0311	.0519	.0956	.0330
27	.150	.0402	.0402	.0385	.0642	.1257	.0434
28	.156	.0394	.0394	.0377	.0711	.1314	.0454
29	.161	.0311	.0311	.0293	.0599	.1096	.0378
30	.167	.0258	.0258	.0240	.0520	.0959	.0331
31	.172	.0171	.0171	.0153	.0359	.0659	.0228
32	.178	.0128	.0128	.0110	.0278	.0512	.0177
33	.183	.0159	.0159	.0141	.0346	.0638	.0246
34	.189	.0131	.0131	.0113	.0336	.0615	.0212
35	.194	.0094	.0076	.0076	.0245	.0446	.0155
36	.200	.0169	.0169	.0131	.0459	.0846	.0292
37	.206	.0195	.0195	.0177	.0474	.1242	.0429
38	.211	.0155	.0159	.0138	.0376	.1048	.0365
39	.217	.0104	.0104	.0087	.0317	.0741	.0253
40	.222	.0094	.0077	.0065	.0326	.0601	.0205
41	.228	.0060	.0081	.0044	.0242	.0447	.0156
42	.233	.0063	.0067	.0029	.0177	.0327	.0113
43	.239	.0041	.0041	.0023	.0159	.0293	.0101
44	.244	.0040	.0019	.0021	.0163	.0301	.0104
45	.250	.0016	.0037	.0013	.0162	.0218	.0103
46	.256	.0015	.0015	.0017	.0163	.0300	.0103
47	.261	.0033	.0033	.0015	.0159	.0292	.0101
48	.267	.0029	.0029	.0010	.0120	.0221	.0076
49	.272	.0020	.0021	.0003	.0038	.0070	.0024
50	.278	.0016	.0015	.0000	.0000	.0000	.0000
51	.283	.0015	.0015	.0000	.0000	.0000	.0000
52	.289	.0017	.0017	.0003	.0000	.0000	.0000
53	.294	.0014	.0018	.0001	.0017	.0031	.0011
54	.300	.0023	.0021	.0003	.0075	.0139	.0048
55	.306	.0024	.0022	.0004	.0125	.0230	.0079
56	.311	.0020	.0020	.0002	.0071	.0130	.0045
57	.317	.0015	.0017	.0000	.0000	.0000	.0000
58	.322	.0016	.0018	.0000	.0000	.0000	.0000
59	.328	.0018	.0018	.0000	.0000	.0000	.0000
60	.333	.0018	.0018	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 25/ 7/59 — AV. T= 6.2 — RECORD = DL 99
HOUR = 9 — SIG.HGT. = 8.7 — UPPER HGT. = 9.6
TOTAL OF =229 — CORR. VAR. = 4.7 — LOWER HGT. = 8.0
NOISE LEVEL = .0045 — WIND SPEED = 25

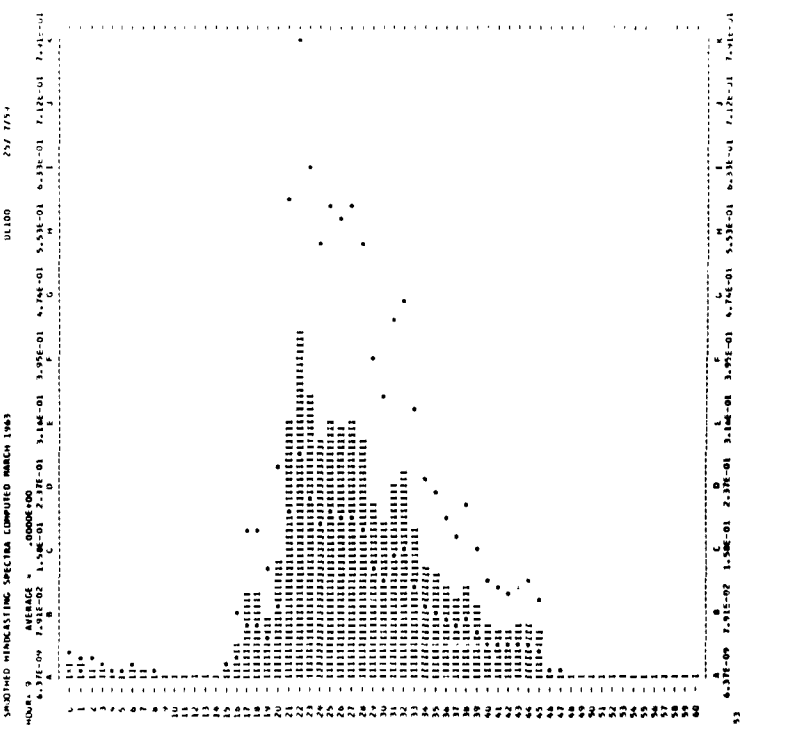
M	FRE.	UNIT-FT.2 FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0131	.0131	.0086	.0086	.0158	.0056
1	.006	.0155	.0155	.0110	.0110	.0202	.0070
2	.011	.0168	.0168	.0121	.0121	.0222	.0077
3	.017	.0176	.0176	.0131	.0131	.0241	.0083
4	.022	.0208	.0208	.0163	.0163	.0300	.0103
5	.028	.0184	.0184	.0139	.0139	.0255	.0088
6	.033	.0109	.0109	.0064	.0100	.0184	.0064
7	.039	.0048	.0048	.0003	.0003	.0006	.0002
8	.044	.0031	.0031	.0000	.0000	.0000	.0000
9	.050	.0038	.0038	.0000	.0000	.0000	.0000
10	.056	.0041	.0041	.0000	.0000	.0000	.0000
11	.061	.0046	.0046	.0001	.0001	.0001	.0000
12	.067	.0074	.0074	.0029	.0029	.0054	.0019
13	.072	.0090	.0090	.0045	.0046	.0084	.0029
14	.078	.0086	.0086	.0041	.0042	.0077	.0027
15	.083	.0105	.0105	.0060	.0063	.0115	.0040
16	.089	.0220	.0220	.0175	.0186	.0342	.0118
17	.094	.0394	.0394	.0349	.0385	.0709	.0245
18	.100	.0612	.0612	.0567	.0645	.1189	.0411
19	.106	.1187	.1187	.1142	.1348	.2484	.0858
20	.111	.1522	.1522	.1477	.1813	.3342	.1155
21	.117	.1617	.1617	.1572	.2014	.3713	.1283
22	.122	.1838	.1838	.1793	.2406	.4435	.1532
23	.128	.1813	.1813	.1768	.2493	.4595	.1587
24	.133	.2182	.2182	.2137	.3177	.5856	.2023
25	.139	.2212	.2212	.2167	.3408	.6282	.2170
26	.144	.1810	.1810	.1765	.2964	.5626	.1875
27	.150	.1830	.1830	.1785	.3165	.5836	.2015
28	.156	.1504	.1504	.1459	.2759	.5086	.1757
29	.161	.1142	.1142	.1097	.2218	.4088	.1412
30	.167	.0916	.0916	.0871	.1889	.3482	.1203
31	.172	.0528	.0528	.0483	.1125	.2074	.0717
32	.178	.0447	.0447	.0402	.1011	.1863	.0643
33	.183	.0465	.0465	.0420	.1140	.2102	.0726
34	.189	.0357	.0357	.0312	.0918	.1693	.0585
35	.194	.0399	.0399	.0354	.1132	.2086	.0721
36	.200	.0496	.0496	.0449	.1565	.2885	.0997
37	.206	.0460	.0460	.0415	.1579	.2910	.1005
38	.211	.0416	.0416	.0371	.1546	.2849	.0984
39	.217	.0386	.0386	.0341	.1560	.2876	.0994
40	.222	.0282	.0282	.0237	.1194	.2200	.0760
41	.228	.0177	.0196	.0150	.0836	.1540	.0532
42	.233	.0146	.0148	.0102	.0629	.1160	.0401
43	.239	.0122	.0115	.0070	.0476	.0877	.0303
44	.244	.0071	.0077	.0032	.0241	.0444	.0153
45	.250	.0045	.0055	.0010	.0081	.0148	.0051
46	.256	.0059	.0065	.0020	.0020	.0036	.0012
47	.261	.0087	.0087	.0042	.0042	.0077	.0026
48	.267	.0085	.0085	.0040	.0040	.0074	.0025
49	.272	.0059	.0061	.0016	.0016	.0029	.0010
50	.278	.0039	.0046	.0001	.0001	.0001	.0000
51	.283	.0052	.0050	.0005	.0005	.0008	.0003
52	.289	.0057	.0052	.0006	.0006	.0012	.0004
53	.294	.0041	.0041	.0000	.0000	.0000	.0000
54	.300	.0029	.0032	.0000	.0000	.0000	.0000
55	.306	.0036	.0037	.0000	.0000	.0000	.0000
56	.311	.0053	.0046	.0000	.0000	.0001	.0000
57	.317	.0041	.0044	.0000	.0000	.0000	.0000
58	.322	.0041	.0045	.0000	.0000	.0000	.0000
59	.328	.0056	.0052	.0007	.0007	.0012	.0004
60	.333	.0056	.0056	.0011	.0011	.0019	.0007



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 25/ 7/59 — AV. T= 6.3 — RECORD = DL100
HOUR = 3 — SIG.HGT. = 9.2 — UPPER HGT. = 9.9
TOTAL OF =222 — CORR. VAR. = 5.3 — LOWER HGT. = 8.5
NOISE LEVEL = .0046 — WIND SPEED = 0

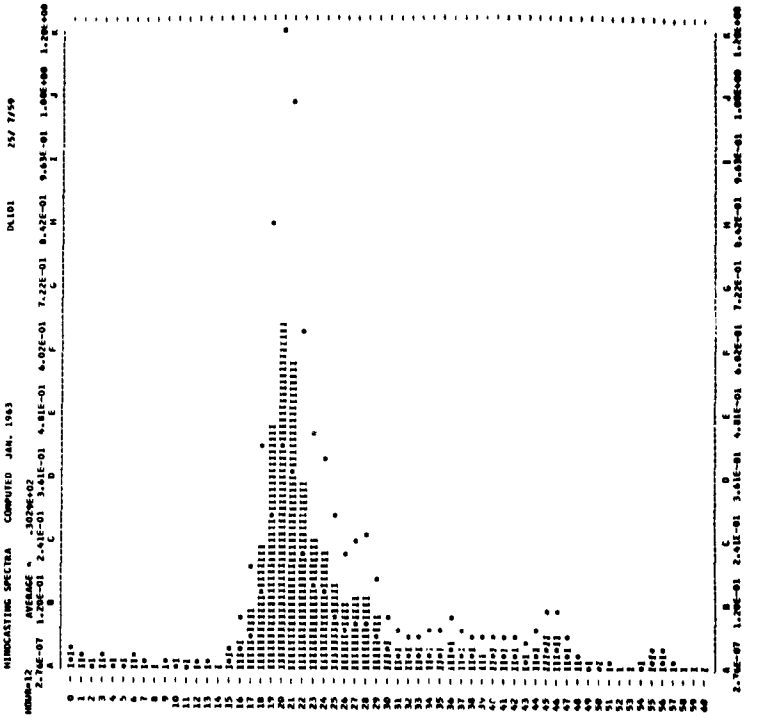
M	FRE.	UNIT*FT.2 FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0208	.0208	.0162	.0162	.0298	.0103
1	.006	.0186	.0186	.0140	.0140	.0257	.0089
2	.011	.0160	.0160	.0114	.0114	.0210	.0072
3	.017	.0126	.0126	.0080	.0080	.0147	.0051
4	.022	.0080	.0080	.0034	.0034	.0062	.0021
5	.028	.0085	.0085	.0039	.0039	.0071	.0025
6	.033	.0108	.0108	.0062	.0097	.0179	.0062
7	.039	.0094	.0094	.0048	.0063	.0117	.0040
8	.044	.0065	.0065	.0019	.0022	.0041	.0014
9	.050	.0051	.0051	.0005	.0005	.0010	.0003
10	.056	.0049	.0049	.0003	.0003	.0005	.0002
11	.061	.0047	.0047	.0001	.0001	.0001	.0000
12	.067	.0053	.0053	.0007	.0007	.0013	.0004
13	.072	.0049	.0049	.0003	.0003	.0005	.0002
14	.078	.0066	.0066	.0020	.0020	.0038	.0013
15	.083	.0134	.0134	.0088	.0092	.0170	.0059
16	.089	.0440	.0440	.0394	.0419	.0772	.0267
17	.094	.0948	.0948	.0902	.0945	.1836	.0634
18	.100	.0931	.0931	.0885	.1007	.1856	.0641
19	.106	.0682	.0682	.0636	.0750	.1383	.0478
20	.111	.1202	.1202	.1156	.1419	.2616	.0904
21	.117	.2542	.2542	.2496	.3199	.5896	.2037
22	.122	.3242	.3242	.3196	.4290	.7907	.2732
23	.128	.2488	.2488	.2442	.3444	.6348	.2193
24	.133	.2018	.2018	.1972	.2932	.5404	.1867
25	.139	.2066	.2066	.2020	.3177	.5856	.2023
26	.144	.1887	.1887	.1841	.3071	.5660	.1955
27	.150	.1827	.1827	.1781	.3158	.5821	.2011
28	.156	.1578	.1578	.1532	.2898	.5341	.1845
29	.161	.1109	.1109	.1063	.2150	.3962	.1369
30	.167	.0907	.0907	.0861	.1866	.3443	.1189
31	.172	.1070	.1070	.1024	.2387	.4400	.1520
32	.178	.1096	.1050	.1004	.2926	.4656	.1609
33	.183	.0704	.0704	.0658	.1788	.3295	.1138
34	.189	.0492	.0492	.0446	.1314	.2422	.0837
35	.194	.0431	.0431	.0385	.1232	.2270	.0784
36	.200	.0357	.0357	.0311	.1044	.1999	.0690
37	.206	.0298	.0298	.0252	.0959	.1767	.0610
38	.211	.0319	.0319	.0273	.1138	.2097	.0724
39	.217	.0238	.0238	.0192	.0878	.1619	.0559
40	.222	.0167	.0173	.0127	.0640	.1179	.0407
41	.228	.0161	.0150	.0104	.0580	.1068	.0369
42	.233	.0133	.0140	.0094	.0578	.1065	.0368
43	.239	.0134	.0137	.0090	.0617	.1137	.0393
44	.244	.0146	.0132	.0086	.0650	.1198	.0414
45	.250	.0102	.0107	.0061	.0517	.0953	.0329
46	.256	.0080	.0083	.0037	.0369	.0680	.0234
47	.261	.0073	.0071	.0025	.0025	.0046	.0016
48	.267	.0060	.0064	.0018	.0018	.0034	.0012
49	.272	.0065	.0064	.0017	.0017	.0032	.0011
50	.278	.0065	.0065	.0018	.0018	.0035	.0012
51	.283	.0067	.0066	.0020	.0020	.0037	.0013
52	.289	.0067	.0060	.0014	.0014	.0026	.0009
53	.294	.0051	.0043	.0000	.0000	.0000	.0000
54	.300	.0024	.0030	.0000	.0000	.0000	.0000
55	.306	.0030	.0030	.0000	.0000	.0000	.0000
56	.311	.0039	.0036	.0000	.0000	.0000	.0000
57	.317	.0036	.0040	.0000	.0000	.0000	.0000
58	.322	.0045	.0044	.0000	.0000	.0000	.0000
59	.328	.0056	.0054	.0007	.0007	.0014	.0005
60	.333	.0058	.0057	.0011	.0011	.0020	.0007



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 25/ 7/59 AV. T= 6.9 RECORD = DL101
HOUR = 12 SIG.HGT. = 8.4 UPPER HGT. = 9.3
TOTAL DF =143 CORR. VAR. = 6.4 LOWER HGT. = 7.7
NOISE LEVEL = .0020 WIND SPEED = 25

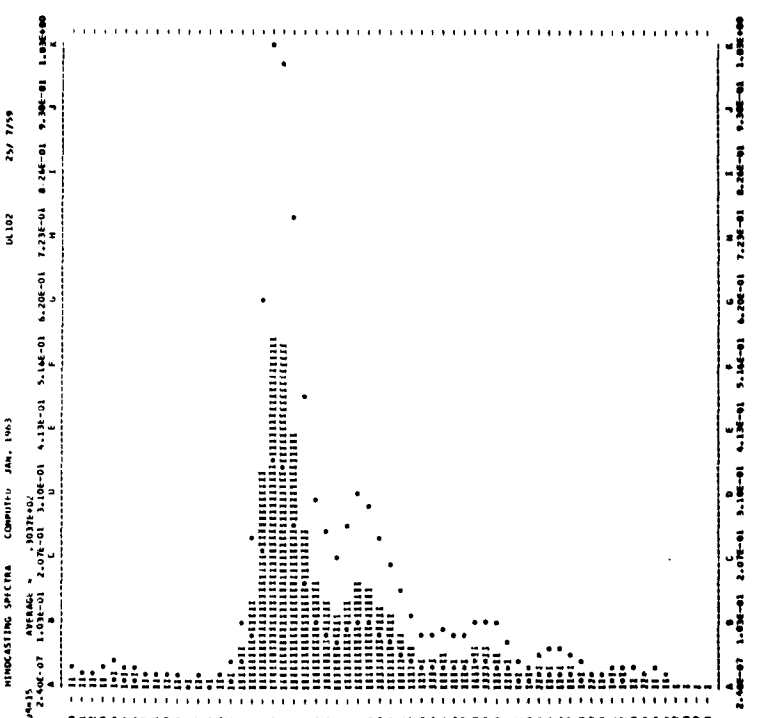
M	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0245	.0245	.0217	.0217	.0400	.0138
1	.006	.0160	.0160	.0132	.0132	.0243	.0084
2	.011	.0116	.0116	.0087	.0087	.0161	.0056
3	.017	.0141	.0141	.0113	.0113	.0208	.0072
4	.022	.0105	.0105	.0077	.0077	.0141	.0049
5	.028	.0100	.0100	.0072	.0072	.0133	.0046
6	.033	.0092	.0092	.0063	.0100	.0184	.0063
7	.039	.0063	.0063	.0034	.0044	.0084	.0029
8	.044	.0055	.0055	.0026	.0031	.0058	.0020
9	.050	.0064	.0064	.0036	.0040	.0073	.0025
10	.056	.0092	.0092	.0063	.0067	.0124	.0043
11	.061	.0094	.0094	.0064	.0068	.0125	.0043
12	.067	.0082	.0082	.0054	.0055	.0102	.0035
13	.072	.0067	.0067	.0039	.0040	.0073	.0025
14	.078	.0056	.0056	.0027	.0028	.0052	.0018
15	.083	.0218	.0218	.0189	.0199	.0367	.0127
16	.089	.0506	.0506	.0478	.0508	.0937	.0324
17	.094	.0962	.0962	.0934	.1031	.1900	.0656
18	.100	.2020	.2020	.1992	.2267	.4179	.1444
19	.106	.3874	.3874	.3845	.4539	.8367	.2890
20	.111	.5345	.5345	.5317	.6529	1.2034	.4157
21	.117	.4561	.4561	.4533	.5810	1.0708	.3699
22	.122	.2613	.2613	.2585	.3470	.6395	.2209
23	.128	.1737	.1737	.1709	.2410	.4442	.1535
24	.133	.1495	.1495	.1467	.2102	.4021	.1389
25	.139	.1032	.1032	.1003	.1578	.2909	.1005
26	.144	.0736	.0736	.0708	.1181	.2176	.0752
27	.150	.0778	.0778	.0750	.1329	.2450	.0847
28	.156	.0737	.0737	.0709	.1341	.2472	.0854
29	.161	.0489	.0489	.0461	.0933	.1719	.0594
30	.167	.0269	.0269	.0240	.0522	.0962	.0332
31	.172	.0196	.0196	.0167	.0390	.0719	.0248
32	.178	.0169	.0169	.0140	.0353	.0651	.0225
33	.183	.0156	.0156	.0128	.0347	.0639	.0221
34	.189	.0153	.0153	.0124	.0344	.0674	.0233
35	.194	.0158	.0158	.0129	.0413	.0762	.0263
36	.200	.0172	.0172	.0143	.0499	.0921	.0318
37	.206	.0135	.0135	.0107	.0407	.0751	.0259
38	.211	.0108	.0108	.0079	.0331	.0611	.0211
39	.217	.0094	.0094	.0066	.0301	.0554	.0191
40	.222	.0082	.0089	.0061	.0305	.0563	.0194
41	.228	.0097	.0090	.0062	.0344	.0634	.0219
42	.233	.0084	.0080	.0052	.0318	.0586	.0203
43	.239	.0095	.0067	.0039	.0266	.0487	.0168
44	.244	.0075	.0080	.0051	.0398	.0734	.0247
45	.250	.0114	.0099	.0071	.0596	.1098	.0379
46	.256	.0093	.0089	.0060	.0569	.1048	.0362
47	.261	.0093	.0040	.0032	.0338	.0624	.0215
48	.267	.0038	.0041	.0012	.0147	.0271	.0094
49	.272	.0030	.0033	.0005	.0063	.0120	.0042
50	.278	.0034	.0033	.0004	.0065	.0119	.0041
51	.283	.0033	.0032	.0003	.0057	.0105	.0036
52	.289	.0027	.0029	.0001	.0018	.0021	.0007
53	.294	.0029	.0029	.0001	.0019	.0035	.0012
54	.300	.0032	.0032	.0004	.0096	.0174	.0060
55	.306	.0036	.0033	.0007	.0109	.0367	.0127
56	.311	.0038	.0035	.0007	.0218	.0402	.0139
57	.317	.0028	.0029	.0001	.0035	.0064	.0022
58	.322	.0023	.0024	.0000	.0000	.0000	.0000
59	.328	.0021	.0020	.0000	.0000	.0000	.0000
60	.333	.0017	.0019	.0000	.0000	.0000	.0000



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 25/ 7/59 AV. T= 6.8 RECORD = DL102
HOUR = 15 SIG.HGT. = 8.5 UPPER HGT. = 9.3
TOTAL DF =171 CORR. VAR. = 6.5 LOWER HGT. = 7.8
NOISE LEVEL = .0026 WIND SPEED = 25

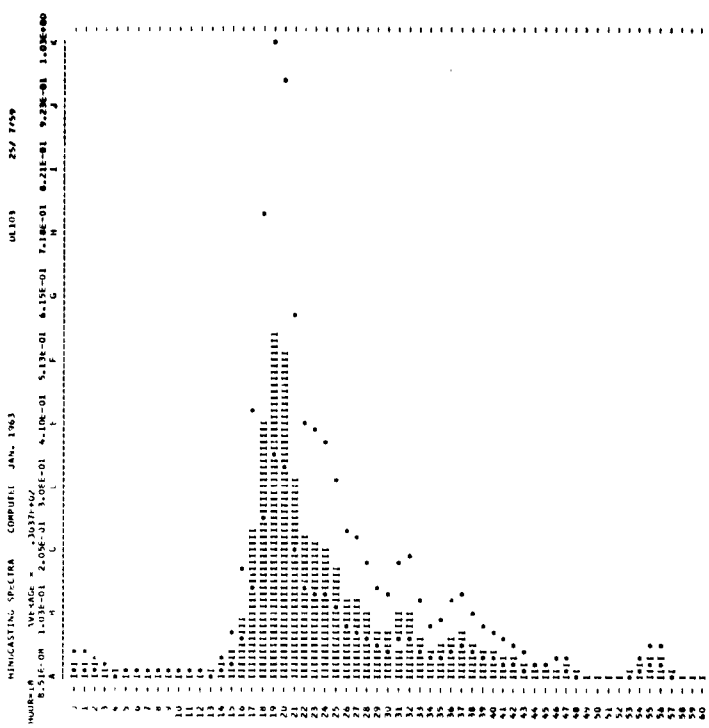
M	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0176	.0176	.0150	.0150	.0277	.0096
1	.006	.0117	.0117	.0091	.0091	.0168	.0058
2	.011	.0120	.0120	.0094	.0094	.0173	.0060
3	.017	.0176	.0176	.0149	.0149	.0275	.0095
4	.022	.0131	.0131	.0105	.0105	.0193	.0067
5	.028	.0121	.0121	.0095	.0095	.0175	.0061
6	.033	.0148	.0148	.0122	.0192	.0354	.0122
7	.039	.0104	.0104	.0077	.0103	.0190	.0065
8	.044	.0117	.0117	.0089	.0118	.0217	.0075
9	.050	.0146	.0146	.0117	.0133	.0244	.0086
10	.056	.0118	.0118	.0091	.0097	.0179	.0062
11	.061	.0096	.0096	.0070	.0072	.0133	.0046
12	.067	.0113	.0113	.0084	.0088	.0163	.0056
13	.072	.0104	.0104	.0078	.0080	.0147	.0051
14	.078	.0118	.0118	.0092	.0095	.0176	.0061
15	.083	.0227	.0227	.0200	.0211	.0388	.0134
16	.089	.0572	.0572	.0546	.0580	.1069	.0369
17	.094	.1212	.1212	.1186	.1308	.2411	.0833
18	.100	.3003	.3003	.2977	.3389	.6246	.2158
19	.106	.4773	.4773	.4747	.5604	1.0328	.3568
20	.111	.4470	.4470	.4443	.5456	1.0057	.3474
21	.117	.3198	.3198	.3171	.4065	.7492	.2588
22	.122	.1905	.1905	.1878	.2521	.4647	.1605
23	.128	.1163	.1163	.1137	.1603	.2955	.1021
24	.133	.0925	.0925	.0899	.1337	.2464	.0851
25	.139	.0756	.0756	.0730	.1148	.2117	.0731
26	.144	.0857	.0857	.0830	.1385	.2553	.0882
27	.150	.0963	.0963	.0937	.1681	.3062	.1058
28	.156	.0844	.0844	.0819	.1550	.2856	.0987
29	.161	.0653	.0653	.0626	.1267	.2335	.0807
30	.167	.0530	.0530	.0503	.1092	.2013	.0695
31	.172	.0396	.0396	.0368	.0857	.1580	.0546
32	.178	.0271	.0271	.0244	.0815	.1133	.0391
33	.183	.0197	.0197	.0171	.0464	.0855	.0295
34	.189	.0179	.0179	.0153	.0451	.0831	.0287
35	.194	.0192	.0192	.0166	.0531	.0980	.0338
36	.200	.0159	.0159	.0133	.0462	.0851	.0294
37	.206	.0138	.0138	.0112	.0426	.0785	.0271
38	.211	.0166	.0166	.0140	.0582	.1073	.0371
39	.217	.0154	.0154	.0127	.0584	.1076	.0372
40	.222	.0137	.0136	.0107	.0542	.0998	.0345
41	.228	.0108	.0101	.0074	.0413	.0762	.0263
42	.233	.0090	.0082	.0054	.0219	.0403	.0139
43	.239	.0080	.0050	.0024	.0164	.0302	.0104
44	.244	.0072	.0064	.0038	.0287	.0529	.0183
45	.250	.0074	.0060	.0043	.0359	.0662	.0229
46	.256	.0057	.0060	.0034	.0321	.0591	.0204
47	.261	.0094	.0053	.0024	.0276	.0509	.0176
48	.267	.0044	.0044	.0018	.0214	.0394	.0136
49	.272	.0033	.0037	.0010	.0139	.0257	.0088
50	.278	.0036	.0036	.0009	.0140	.0258	.0089
51	.283	.0038	.0037	.0010	.0172	.0317	.0110
52	.289	.0035	.0035	.0009	.0149	.0311	.0107
53	.294	.0034	.0033	.0006	.0140	.0259	.0089
54	.300	.0029	.0031	.0005	.0116	.0214	.0074
55	.306	.0032	.0031	.0005	.0144	.0266	.0092
56	.311	.0032	.0030	.0004	.0122	.0225	.0078
57	.317	.0024	.0025	.0000	.0000	.0000	.0000
58	.322	.0019	.0019	.0000	.0000	.0000	.0000
59	.328	.0013	.0013	.0000	.0000	.0000	.0000
60	.333	.0008	.0011	.0000	.0000	.0000	.0000



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 25/ 7/59 AV. T= 7.0 RECORD = DL103
HOUR = 18 SIG.HGT. = 6.5 UPPER HGT. = 9.3
TOTAL OF =169 CORR. VAR. = 4.5 LOWER HGT. = 7.8
NOISE LEVEL = .0036 WIND SPEED = 25

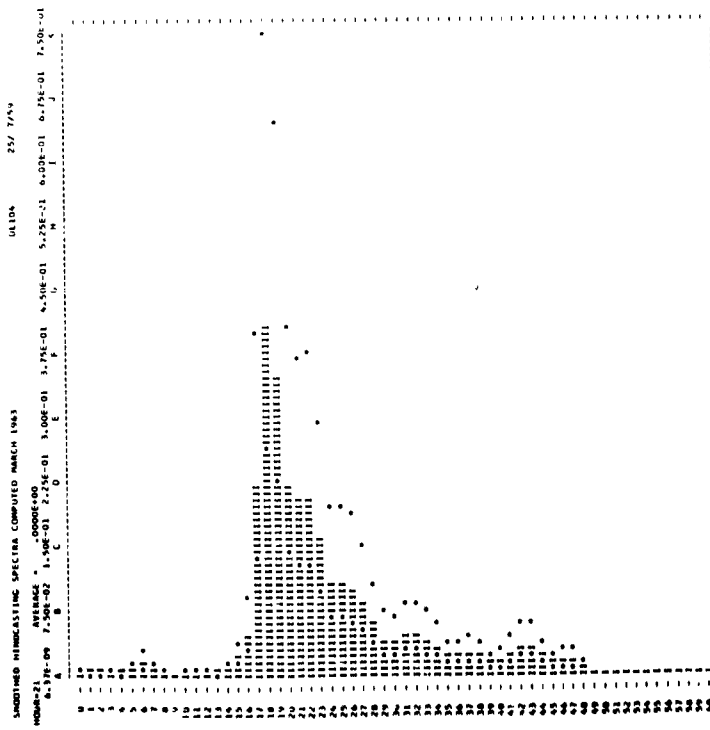
H	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0248	.0245	.0212	.0212	.0390	.0135
1	.006	.0248	.0248	.0214	.0214	.0394	.0136
2	.011	.0215	.0215	.0181	.0181	.0336	.0115
3	.017	.0159	.0159	.0125	.0125	.0230	.0079
4	.022	.0107	.0107	.0073	.0073	.0134	.0046
5	.028	.0062	.0062	.0028	.0028	.0051	.0018
6	.033	.0054	.0054	.0020	.0020	.0037	.0013
7	.039	.0064	.0064	.0030	.0040	.0073	.0025
8	.044	.0070	.0070	.0036	.0043	.0080	.0028
9	.050	.0069	.0069	.0035	.0039	.0072	.0025
10	.056	.0071	.0071	.0037	.0040	.0073	.0025
11	.061	.0080	.0080	.0046	.0048	.0088	.0030
12	.067	.0077	.0077	.0044	.0045	.0083	.0029
13	.072	.0099	.0099	.0065	.0067	.0123	.0042
14	.078	.0190	.0190	.0156	.0162	.0298	.0103
15	.083	.0396	.0396	.0362	.0381	.0702	.0243
16	.089	.0940	.0940	.0906	.0963	.1776	.0613
17	.094	.2149	.2149	.2116	.2334	.4303	.1486
18	.100	.3619	.3619	.3585	.4081	.7522	.2599
19	.106	.4748	.4748	.4716	.5565	1.0257	.3543
20	.111	.4299	.4299	.4265	.5238	.9656	.3335
21	.117	.2511	.2511	.2477	.3175	.5852	.2022
22	.122	.1677	.1677	.1643	.2206	.4066	.1405
23	.128	.1558	.1558	.1524	.2150	.3963	.1369
24	.133	.1408	.1408	.1374	.2044	.3767	.1301
25	.139	.1127	.1127	.1094	.1721	.3171	.1096
26	.144	.0798	.0798	.0764	.1275	.2350	.0812
27	.150	.0715	.0715	.0681	.1208	.2226	.0769
28	.156	.0567	.0567	.0534	.1004	.1850	.0643
29	.161	.0413	.0413	.0379	.0767	.1413	.0488
30	.167	.0364	.0364	.0330	.0716	.1320	.0456
31	.172	.0452	.0452	.0418	.0976	.1798	.0621
32	.178	.0448	.0448	.0414	.1043	.1922	.0664
33	.183	.0273	.0273	.0239	.0650	.1198	.0414
34	.189	.0183	.0183	.0149	.0439	.0809	.0280
35	.194	.0182	.0182	.0148	.0475	.0876	.0303
36	.200	.0218	.0218	.0184	.0643	.1185	.0410
37	.206	.0225	.0225	.0191	.0727	.1340	.0463
38	.211	.0169	.0169	.0135	.0584	.1040	.0359
39	.217	.0133	.0133	.0100	.0457	.0842	.0291
40	.222	.0117	.0115	.0081	.0409	.0754	.0260
41	.228	.0081	.0081	.0047	.0338	.0623	.0215
42	.233	.0078	.0079	.0046	.0286	.0517	.0178
43	.239	.0069	.0069	.0037	.0220	.0406	.0140
44	.244	.0047	.0051	.0017	.0130	.0240	.0083
45	.250	.0041	.0045	.0012	.0098	.0181	.0062
46	.256	.0053	.0049	.0016	.0152	.0281	.0097
47	.261	.0052	.0050	.0016	.0167	.0308	.0107
48	.267	.0040	.0040	.0006	.0073	.0130	.0045
49	.272	.0026	.0028	.0000	.0000	.0000	.0000
50	.278	.0022	.0025	.0000	.0000	.0000	.0000
51	.283	.0031	.0030	.0000	.0000	.0000	.0000
52	.289	.0037	.0035	.0001	.0027	.0049	.0017
53	.294	.0035	.0037	.0003	.0066	.0122	.0042
54	.300	.0040	.0040	.0006	.0155	.0286	.0099
55	.306	.0045	.0044	.0009	.0270	.0497	.0172
56	.311	.0043	.0042	.0008	.0276	.0505	.0174
57	.317	.0037	.0036	.0002	.0076	.0140	.0049
58	.322	.0025	.0027	.0000	.0000	.0000	.0000
59	.328	.0022	.0023	.0000	.0000	.0000	.0000
60	.333	.0024	.0021	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 25/ 7/59 AV. T= 7.4 RECORD = DL104
HOUR = 21 SIG.HGT. = 6.8 UPPER HGT. = 7.4
TOTAL OF =169 CORR. VAR. = 2.9 LOWER HGT. = 6.2
NOISE LEVEL = .0027 WIND SPEED = 25

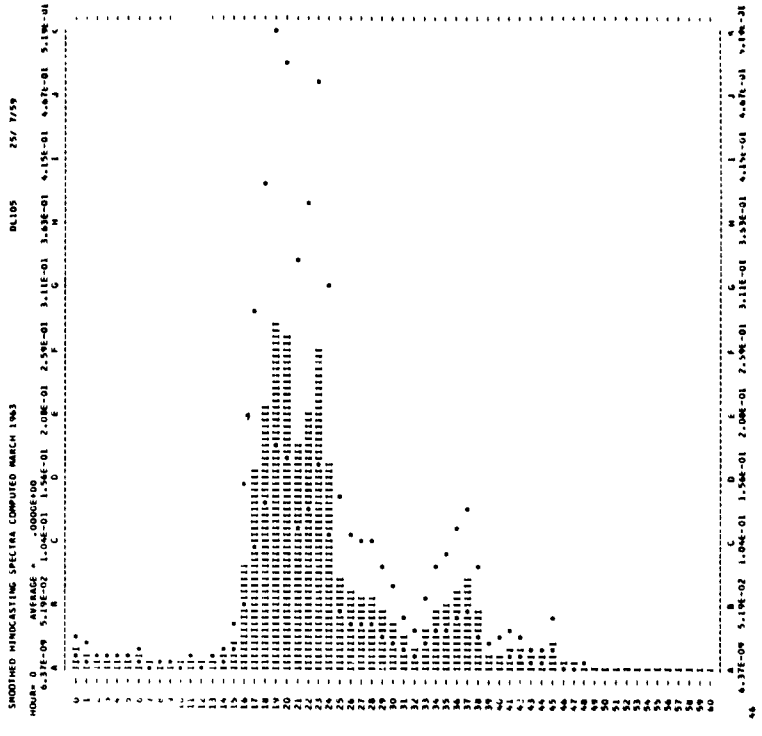
H	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0060	.0060	.0033	.0033	.0062	.0021
1	.006	.0068	.0068	.0041	.0041	.0076	.0026
2	.011	.0073	.0073	.0046	.0046	.0085	.0030
3	.017	.0063	.0063	.0036	.0036	.0067	.0023
4	.022	.0073	.0073	.0046	.0046	.0085	.0030
5	.028	.0106	.0106	.0079	.0079	.0146	.0051
6	.033	.0120	.0120	.0093	.0147	.0271	.0094
7	.039	.0093	.0093	.0066	.0088	.0162	.0056
8	.044	.0053	.0053	.0026	.0031	.0058	.0020
9	.050	.0039	.0039	.0012	.0014	.0025	.0009
10	.056	.0052	.0052	.0025	.0027	.0050	.0017
11	.061	.0049	.0049	.0022	.0023	.0043	.0015
12	.067	.0062	.0062	.0035	.0036	.0067	.0023
13	.072	.0075	.0075	.0048	.0050	.0091	.0032
14	.078	.0098	.0098	.0071	.0074	.0136	.0047
15	.083	.0211	.0211	.0184	.0194	.0357	.0123
16	.089	.0475	.0475	.0448	.0477	.0879	.0304
17	.094	.1989	.1989	.1962	.2165	.3991	.1379
18	.100	.3601	.3601	.3574	.4089	.7500	.2591
19	.106	.2980	.2980	.2953	.3486	.6426	.2220
20	.111	.1819	.1819	.1792	.2201	.4057	.1401
21	.117	.1585	.1585	.1558	.1997	.3681	.1272
22	.122	.1550	.1550	.1523	.2045	.3769	.1302
23	.128	.1146	.1146	.1119	.1579	.2910	.1005
24	.133	.0738	.0738	.0711	.1058	.1950	.0674
25	.139	.0696	.0696	.0669	.1053	.1941	.0670
26	.144	.0626	.0626	.0599	.1000	.1843	.0637
27	.150	.0475	.0475	.0448	.0795	.1466	.0506
28	.156	.0338	.0338	.0311	.0589	.1086	.0375
29	.161	.0219	.0219	.0192	.0389	.0717	.0248
30	.167	.0193	.0193	.0166	.0361	.0666	.0230
31	.172	.0217	.0217	.0190	.0444	.0818	.0283
32	.178	.0203	.0203	.0176	.0444	.0818	.0283
33	.183	.0171	.0171	.0144	.0392	.0723	.0250
34	.189	.0132	.0132	.0105	.0311	.0573	.0198
35	.194	.0092	.0092	.0065	.0209	.0386	.0133
36	.200	.0082	.0082	.0055	.0193	.0359	.0123
37	.206	.0088	.0088	.0061	.0234	.0431	.0149
38	.211	.0073	.0073	.0046	.0193	.0357	.0123
39	.217	.0052	.0052	.0025	.0116	.0214	.0074
40	.222	.0057	.0060	.0034	.0169	.0312	.0108
41	.228	.0075	.0073	.0046	.0258	.0475	.0164
42	.233	.0069	.0080	.0054	.0331	.0611	.0211
43	.239	.0077	.0072	.0046	.0311	.0574	.0198
44	.244	.0050	.0054	.0027	.0206	.0379	.0131
45	.250	.0038	.0043	.0016	.0138	.0255	.0088
46	.256	.0046	.0043	.0017	.0159	.0294	.0101
47	.261	.0044	.0042	.0015	.0160	.0295	.0102
48	.267	.0033	.0034	.0008	.0091	.0167	.0058
49	.272	.0027	.0028	.0001	.0018	.0028	.0010
50	.278	.0024	.0024	.0000	.0000	.0000	.0000
51	.283	.0023	.0024	.0000	.0000	.0000	.0000
52	.289	.0028	.0027	.0000	.0002	.0004	.0002
53	.294	.0028	.0029	.0003	.0003	.0009	.0002
54	.300	.0034	.0035	.0008	.0008	.0015	.0005
55	.306	.0044	.0040	.0013	.0013	.0024	.0008
56	.311	.0037	.0035	.0009	.0009	.0016	.0005
57	.317	.0023	.0024	.0000	.0000	.0000	.0000
58	.322	.0014	.0017	.0000	.0000	.0000	.0000
59	.328	.0016	.0016	.0000	.0000	.0000	.0000
60	.333	.0020	.0018	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1983

DATE = 25/ 7/59 AV. T= 7.3 RECORD = DL105
HOUR = 0 SIG.HGT. = 6.6 UPPER HGT. = 7.2
TOTAL DF =166 CORR. VAR. = 2.7 LOWER HGT. = 6.0
NOISE LEVEL = .0026 WIND SPEED = 10

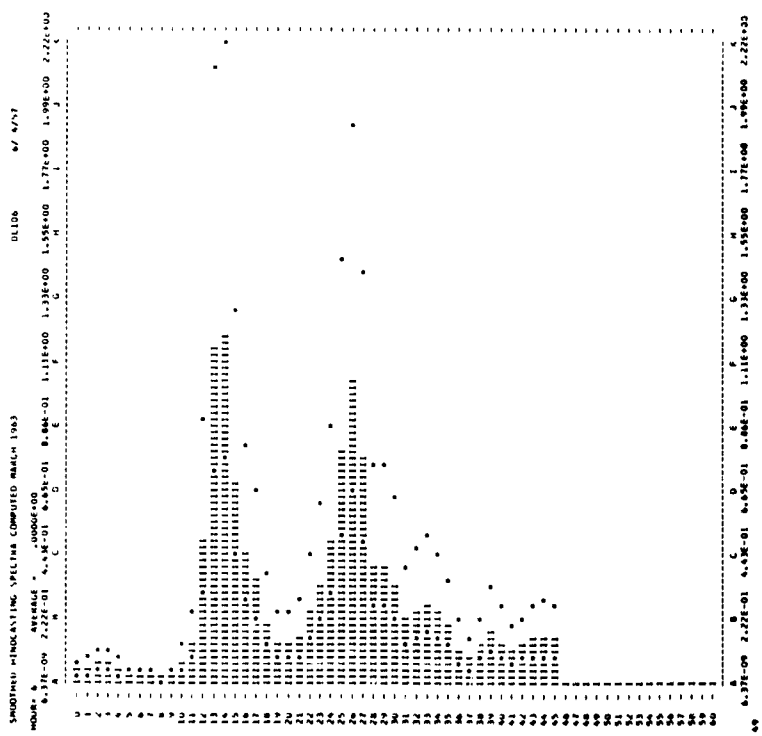
M	FRE.	UNIT=FT.2 FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0194	.0194	.0130	.0130	.0260	.0083
1	.006	.0123	.0123	.0099	.0099	.0183	.0063
2	.011	.0086	.0086	.0062	.0062	.0115	.0040
3	.017	.0073	.0073	.0049	.0049	.0091	.0031
4	.022	.0078	.0078	.0056	.0056	.0100	.0034
5	.028	.0088	.0088	.0064	.0064	.0118	.0041
6	.033	.0075	.0075	.0051	.0081	.0149	.0051
7	.039	.0050	.0050	.0026	.0035	.0064	.0022
8	.044	.0037	.0037	.0013	.0016	.0029	.0010
9	.050	.0042	.0042	.0018	.0020	.0037	.0013
10	.056	.0055	.0055	.0031	.0033	.0061	.0021
11	.061	.0065	.0065	.0041	.0043	.0079	.0027
12	.067	.0051	.0051	.0027	.0028	.0051	.0018
13	.072	.0065	.0065	.0041	.0042	.0078	.0027
14	.078	.0105	.0105	.0081	.0084	.0155	.0053
15	.083	.0221	.0221	.0197	.0207	.0382	.0132
16	.089	.0763	.0793	.0769	.0818	.1507	.0521
17	.094	.1460	.1460	.1436	.1585	.2921	.1009
18	.100	.1908	.1908	.1884	.2145	.3953	.1366
19	.106	.2409	.2409	.2385	.2816	.5190	.1793
20	.111	.2211	.2211	.2187	.2686	.4950	.1710
21	.117	.1440	.1440	.1416	.1815	.3346	.1156
22	.122	.1552	.1552	.1528	.2051	.3781	.1306
23	.128	.1860	.1860	.1836	.2590	.4774	.1649
24	.133	.1193	.1193	.1129	.1679	.3095	.1069
25	.139	.0502	.0502	.0478	.0752	.1386	.0479
26	.144	.0385	.0385	.0361	.0603	.1111	.0384
27	.150	.0348	.0348	.0324	.0575	.1060	.0366
28	.156	.0322	.0322	.0298	.0586	.1040	.0359
29	.161	.0243	.0243	.0219	.0443	.0817	.0282
30	.167	.0187	.0187	.0163	.0354	.0653	.0226
31	.172	.0125	.0125	.0101	.0236	.0435	.0150
32	.178	.0091	.0091	.0067	.0169	.0312	.0108
33	.183	.0135	.0111	.0087	.0302	.0557	.0192
34	.189	.0177	.0177	.0153	.0492	.0832	.0288
35	.194	.0179	.0179	.0155	.0497	.0916	.0316
36	.200	.0200	.0200	.0176	.0615	.1133	.0391
37	.206	.0211	.0211	.0187	.0711	.1314	.0454
38	.211	.0130	.0130	.0106	.0443	.0816	.0282
39	.217	.0051	.0051	.0027	.0125	.0230	.0079
40	.222	.0049	.0049	.0027	.0129	.0237	.0082
41	.228	.0057	.0052	.0028	.0153	.0286	.0099
42	.233	.0048	.0046	.0022	.0136	.0251	.0087
43	.239	.0031	.0035	.0012	.0086	.0147	.0051
44	.244	.0032	.0036	.0012	.0092	.0170	.0059
45	.250	.0049	.0049	.0025	.0213	.0392	.0135
46	.256	.0046	.0040	.0036	.0036	.0066	.0023
47	.261	.0058	.0054	.0031	.0031	.0057	.0020
48	.267	.0036	.0039	.0016	.0016	.0029	.0010
49	.272	.0028	.0030	.0006	.0006	.0011	.0004
50	.278	.0028	.0028	.0004	.0004	.0007	.0002
51	.283	.0027	.0026	.0002	.0002	.0004	.0002
52	.289	.0023	.0023	.0000	.0000	.0000	.0000
53	.294	.0020	.0020	.0000	.0000	.0000	.0000
54	.300	.0017	.0018	.0000	.0000	.0000	.0000
55	.306	.0019	.0020	.0000	.0000	.0000	.0000
56	.311	.0025	.0025	.0001	.0001	.0002	.0001
57	.317	.0030	.0029	.0005	.0005	.0009	.0003
58	.322	.0030	.0029	.0005	.0005	.0009	.0003
59	.328	.0025	.0025	.0001	.0001	.0003	.0001
60	.333	.0021	.0023	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1983

DATE = 6/ 4/57 AV. T= 7.2 RECORD = DL106
HOUR = 6 SIG.HGT. = 14.3 UPPER HGT. = 15.5
TOTAL DF =218 CORR. VAR. = 12.9 LOWER HGT. = 13.3
NOISE LEVEL = .0034 WIND SPEED = 30

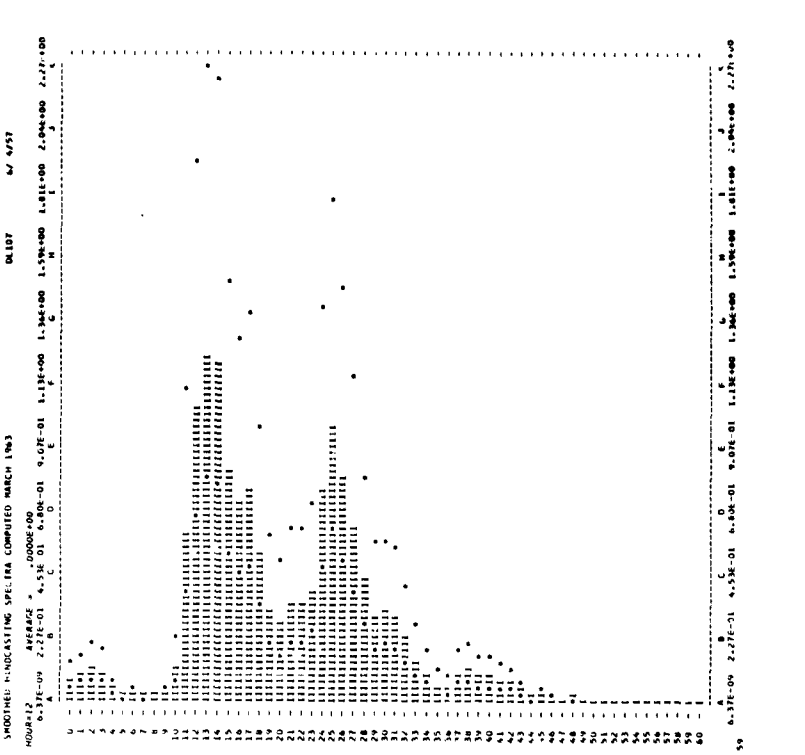
M	FRE.	UNIT=FT.2 FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0423	.0423	.0389	.0389	.0718	.0248
1	.006	.0552	.0552	.0518	.0518	.0955	.0330
2	.011	.0657	.0657	.0623	.0623	.1149	.0397
3	.017	.0590	.0590	.0556	.0556	.1025	.0354
4	.022	.0460	.0460	.0426	.0426	.0786	.0271
5	.028	.0271	.0237	.0237	.0237	.0437	.0151
6	.033	.0171	.0171	.0137	.0222	.0409	.0141
7	.039	.0167	.0167	.0133	.0183	.0338	.0117
8	.044	.0166	.0168	.0132	.0185	.0304	.0105
9	.050	.0263	.0229	.0229	.0267	.0496	.0171
10	.056	.0663	.0663	.0629	.0717	.1322	.0457
11	.061	.1196	.1196	.1162	.1312	.2419	.0836
12	.067	.4385	.4385	.4351	.4938	.9097	.3143
13	.072	.9990	.9956	1.0018	1.1497	2.1190	.7320
14	.078	1.0162	1.0162	1.0128	1.2022	2.2159	.7655
15	.083	.5703	.5703	.5669	.6976	1.2857	.4442
16	.089	.3512	.3512	.3478	.4468	.8235	.2845
17	.094	.2866	.2866	.2832	.3555	.6552	.2263
18	.100	.1476	.1476	.1442	.2059	.1795	.1311
19	.106	.0915	.0915	.0881	.1339	.2468	.0853
20	.111	.0838	.0838	.0804	.1306	.2408	.0832
21	.117	.0910	.0910	.0876	.1529	.2817	.0973
22	.122	.1288	.1288	.1254	.2362	.4353	.1504
23	.128	.1673	.1673	.1639	.3347	.6168	.2131
24	.133	.2178	.2178	.2144	.4770	.8791	.3037
25	.139	.3297	.3297	.3263	.7448	1.4845	.5059
26	.144	.3926	.3892	.3892	1.0418	1.9201	.6633
27	.150	.2844	.2844	.2610	.7706	1.4206	.4907
28	.156	.1286	.1286	.1252	.4098	.7554	.2609
29	.161	.1140	.1140	.1106	.4028	.7425	.2565
30	.167	.0877	.0877	.0843	.3433	.6328	.2186
31	.172	.0519	.0519	.0485	.2216	.4084	.1411
32	.178	.0526	.0526	.0492	.2535	.4672	.1614
33	.183	.0502	.0502	.0468	.2725	.5023	.1735
34	.189	.0398	.0364	.0364	.2440	.4461	.1536
35	.194	.0292	.0292	.0258	.1947	.3589	.1240
36	.200	.0173	.0173	.0139	.1203	.2217	.0766
37	.206	.0114	.0114	.0080	.0798	.1468	.0507
38	.211	.0141	.0141	.0107	.1228	.2264	.0782
39	.217	.0170	.0170	.0136	.1809	.1333	.1152
40	.222	.0126	.0126	.0093	.1431	.2638	.0911
41	.228	.0084	.0097	.0063	.1135	.2093	.0723
42	.233	.0093	.0091	.0058	.1220	.2249	.0777
43	.239	.0096	.0092	.0058	.1448	.2669	.0922
44	.244	.0083	.0086	.0052	.1528	.2816	.0973
45	.250	.0081	.0077	.0043	.1438	.2782	.0954
46	.256	.0067	.0064	.0030	.0030	.0056	.0019
47	.261	.0069	.0064	.0022	.0022	.0040	.0014
48	.267	.0058	.0044	.0021	.0021	.0038	.0013
49	.272	.0051	.0050	.0016	.0016	.0030	.0010
50	.278	.0039	.0039	.0006	.0006	.0011	.0004
51	.283	.0029	.0032	.0000	.0000	.0000	.0000
52	.289	.0032	.0034	.0000	.0000	.0001	.0000
53	.294	.0041	.0040	.0006	.0006	.0011	.0004
54	.300	.0041	.0041	.0008	.0008	.0016	.0005
55	.306	.0046	.0043	.0009	.0009	.0017	.0006
56	.311	.0056	.0046	.0012	.0012	.0022	.0008
57	.317	.0041	.0040	.0006	.0006	.0011	.0004
58	.322	.0021	.0026	.0000	.0000	.0000	.0000
59	.328	.0016	.0018	.0000	.0000	.0000	.0000
60	.333	.0018	.0017	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 6/ 4/57 Av. T= 8.3 RECORD = DL107
HOUR = 12 SIG.HGT. = 15.4 UPPER HGT. = 16.6
TOTAL OF =216 CORR. VAR. = 14.8 LOWER HGT. = 14.2
NOISE LEVEL = .0031 WIND SPEED = 30

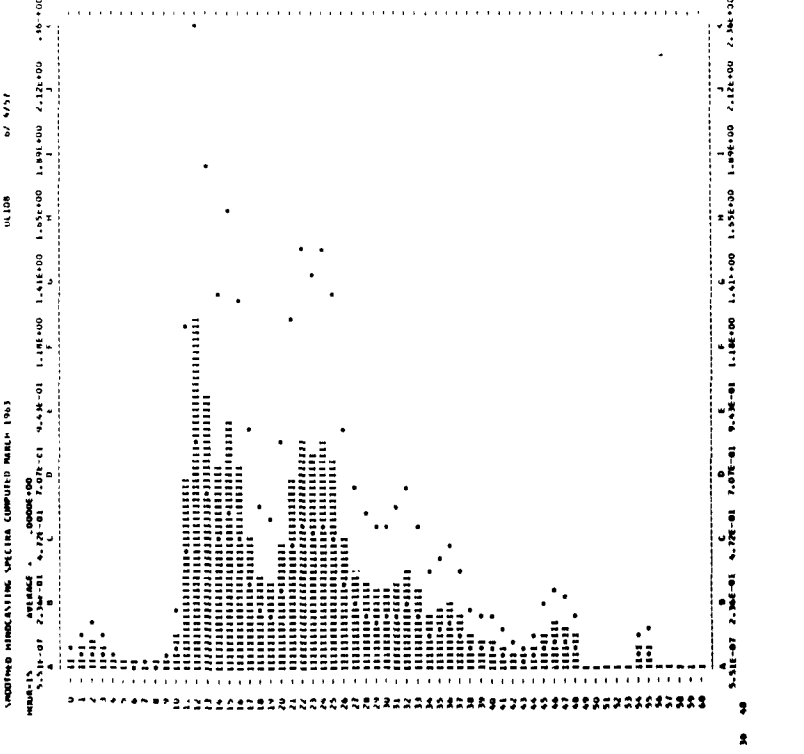
M	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0800	.0800	.0769	.0769	.1418	.0690
1	.006	.0949	.0949	.0918	.0918	.1692	.0585
2	.011	.1190	.1190	.1159	.1159	.2136	.0738
3	.017	.0990	.0990	.0959	.0959	.1768	.0611
4	.022	.0451	.0451	.0420	.0420	.0774	.0268
5	.028	.0183	.0183	.0132	.0132	.0244	.0084
6	.033	.0180	.0180	.0129	.0209	.0385	.0133
7	.039	.0195	.0195	.0124	.0171	.0314	.0109
8	.044	.0179	.0179	.0148	.0184	.0340	.0117
9	.050	.0242	.0242	.0211	.0248	.0457	.0158
10	.056	.1118	.1118	.1087	.1239	.2284	.0789
11	.061	.5332	.5332	.5301	.5986	1.1032	.3811
12	.067	.9213	.9213	.9182	1.0619	1.9197	.6632
13	.072	1.0683	1.0683	1.0652	1.2300	2.2671	.7832
14	.078	1.0201	1.0201	1.0170	1.2072	2.2250	.7687
15	.083	.8649	.8649	.8618	.8143	1.5009	.5185
16	.089	.5475	.5475	.5444	.6983	1.2869	.4453
17	.094	.5562	.5562	.5531	.7469	1.3767	.4756
18	.100	.3731	.3731	.3700	.5283	.9737	.3364
19	.106	.2175	.2175	.2144	.3258	.6004	.2074
20	.111	.1667	.1667	.1636	.2657	.4898	.1692
21	.117	.1966	.1966	.1935	.3378	.6222	.2149
22	.122	.1781	.1781	.1750	.3295	.6074	.2098
23	.128	.1880	.1880	.1849	.3775	.6958	.2404
24	.133	.3649	.3649	.3614	.7594	1.3997	.4835
25	.139	.4021	.4021	.3990	.9716	1.7907	.6186
26	.144	.3007	.3007	.2976	.7966	1.4682	.5072
27	.150	.2140	.2140	.2109	.6227	1.1477	.3965
28	.156	.1356	.1356	.1325	.4337	.7993	.2761
29	.161	.0899	.0899	.0828	.3016	.5558	.1920
30	.167	.0787	.0787	.0756	.3079	.5674	.1960
31	.172	.0686	.0686	.0655	.2991	.5513	.1905
32	.178	.0461	.0461	.0430	.2215	.4082	.1410
33	.183	.0280	.0280	.0249	.1450	.2672	.0923
34	.189	.0179	.0179	.0148	.0980	.1806	.0624
35	.194	.0106	.0106	.0075	.0567	.1044	.0361
36	.200	.0086	.0086	.0055	.0476	.0878	.0303
37	.206	.0125	.0125	.0094	.0934	.1721	.0595
38	.211	.0126	.0126	.0095	.1089	.2007	.0693
39	.217	.0093	.0093	.0062	.0825	.1520	.0525
40	.222	.0084	.0083	.0053	.0812	.1497	.0517
41	.228	.0073	.0073	.0042	.0764	.1407	.0486
42	.233	.0063	.0060	.0030	.0626	.1154	.0399
43	.239	.0063	.0045	.0014	.0358	.0659	.0228
44	.244	.0032	.0037	.0006	.0173	.0319	.0110
45	.250	.0040	.0036	.0006	.0197	.0362	.0125
46	.256	.0034	.0033	.0002	.0099	.0183	.0063
47	.261	.0025	.0029	.0000	.0000	.0000	.0000
48	.267	.0033	.0033	.0002	.0163	.0303	.0091
49	.272	.0042	.0039	.0008	.0042	.0015	.0005
50	.278	.0038	.0039	.0008	.0008	.0015	.0005
51	.283	.0038	.0040	.0009	.0009	.0016	.0006
52	.289	.0045	.0041	.0010	.0010	.0019	.0007
53	.294	.0037	.0034	.0004	.0004	.0007	.0002
54	.300	.0019	.0023	.0000	.0000	.0000	.0000
55	.306	.0017	.0020	.0000	.0000	.0000	.0000
56	.311	.0027	.0026	.0000	.0000	.0000	.0000
57	.317	.0035	.0032	.0002	.0002	.0003	.0001
58	.322	.0033	.0032	.0001	.0001	.0003	.0001
59	.328	.0028	.0030	.0000	.0000	.0000	.0000
60	.333	.0030	.0029	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 6/ 4/57 Av. T= 7.4 RECORD = DL108
HOUR = 15 SIG.HGT. = 16.0 UPPER HGT. = 17.2
TOTAL OF =258 CORR. VAR. = 16.0 LOWER HGT. = 14.9
NOISE LEVEL = .0034 WIND SPEED = 30

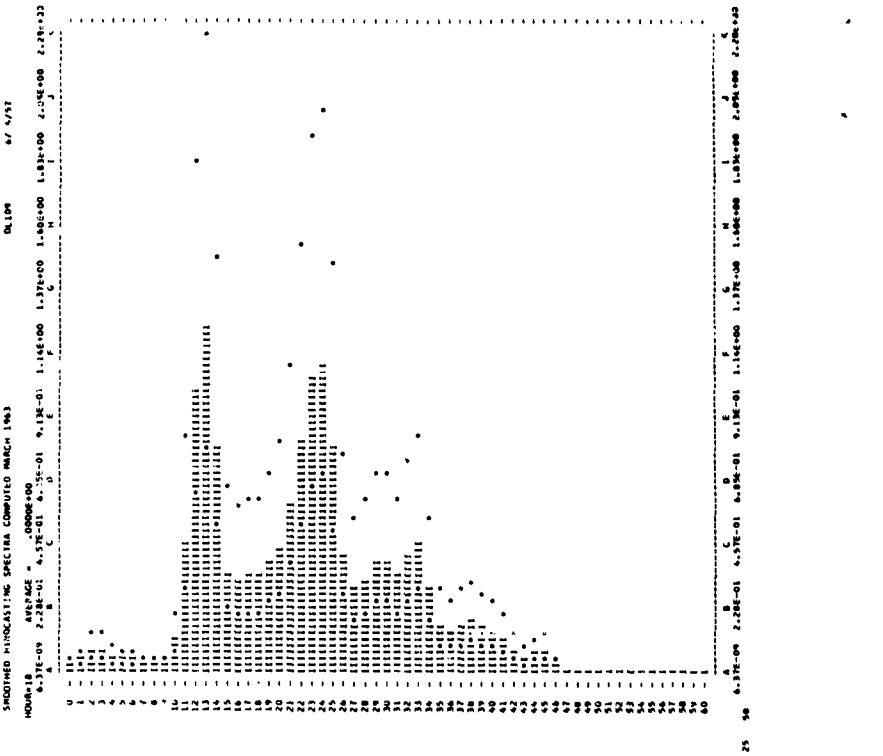
M	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0369	.0369	.0335	.0335	.0618	.0214
1	.006	.0692	.0692	.0658	.0658	.1213	.0419
2	.011	.0932	.0932	.0898	.0898	.1655	.0572
3	.017	.0626	.0626	.0592	.0592	.1092	.0377
4	.022	.0336	.0336	.0302	.0302	.0557	.0193
5	.028	.0220	.0270	.0186	.0186	.0344	.0119
6	.033	.0131	.0131	.0097	.0157	.0290	.0100
7	.039	.0116	.0116	.0082	.0113	.0209	.0072
8	.044	.0138	.0104	.0070	.0130	.0240	.0083
9	.050	.0239	.0239	.0205	.0241	.0445	.0154
10	.056	.1039	.1039	.1005	.1146	.2112	.0730
11	.061	.5999	.5999	.5965	.6736	1.2415	.4289
12	.067	1.1312	1.1312	1.1278	1.2741	2.3580	.8148
13	.072	.8697	.8697	.8663	1.0004	1.8438	.6370
14	.078	.6258	.6258	.6224	.7388	1.3618	.4706
15	.083	.7367	.7367	.7333	.9023	1.6631	.5745
16	.089	.5696	.5696	.5662	.7273	1.3406	.4631
17	.094	.3534	.3534	.3500	.4727	.8712	.3010
18	.100	.2266	.2266	.2232	.3187	.5874	.2029
19	.106	.1977	.1977	.1943	.2953	.5442	.1880
20	.111	.2799	.2799	.2765	.4491	.8278	.2860
21	.117	.4020	.4020	.3986	.6954	1.2817	.4428
22	.122	.4429	.4429	.4395	.8276	1.5253	.5269
23	.128	.3857	.3857	.3823	.7805	1.4387	.4970
24	.133	.3759	.3759	.3725	.8286	1.5273	.5276
25	.139	.3096	.3096	.3062	.7457	1.3744	.4748
26	.144	.1824	.1824	.1790	.4792	.8832	.3051
27	.150	.1229	.1229	.1195	.3529	.6505	.2247
28	.156	.0959	.0959	.0925	.3028	.5582	.1928
29	.161	.0790	.0790	.0756	.2754	.5077	.1754
30	.167	.0725	.0725	.0691	.2815	.5188	.1792
31	.172	.0721	.0721	.0687	.3138	.5784	.1998
32	.178	.0731	.0731	.0697	.3591	.6618	.2286
33	.183	.0512	.0512	.0478	.2784	.5131	.1772
34	.189	.0326	.0326	.0292	.1934	.3564	.1231
35	.194	.0323	.0323	.0289	.2181	.4021	.1389
36	.200	.0317	.0317	.0283	.2447	.4509	.1558
37	.206	.0222	.0222	.0188	.1898	.3443	.1189
38	.211	.0129	.0129	.0095	.1092	.2012	.0695
39	.217	.0112	.0112	.0078	.1040	.1917	.0662
40	.222	.0100	.0097	.0064	.0985	.1816	.0627
41	.228	.0078	.0079	.0046	.0822	.1516	.0523
42	.233	.0061	.0064	.0031	.0573	.1059	.0365
43	.239	.0043	.0050	.0016	.0400	.0738	.0255
44	.244	.0052	.0056	.0023	.0664	.1224	.0423
45	.250	.0078	.0070	.0036	.1268	.2336	.0808
46	.256	.0072	.0071	.0037	.1544	.2845	.0986
47	.261	.0062	.0063	.0029	.1455	.2683	.0927
48	.267	.0056	.0092	.0018	.1078	.1986	.0686
49	.272	.0033	.0034	.0001	.0063	.0115	.0040
50	.278	.0016	.0029	.0000	.0000	.0000	.0000
51	.283	.0015	.0017	.0000	.0000	.0000	.0000
52	.289	.0022	.0022	.0000	.0000	.0000	.0000
53	.294	.0030	.0030	.0000	.0000	.0000	.0000
54	.300	.0060	.0037	.0004	.0048	.1286	.0444
55	.306	.0039	.0057	.0001	.0001	.1477	.0510
56	.311	.0030	.0032	.0000	.0000	.0000	.0000
57	.317	.0029	.0030	.0000	.0000	.0000	.0000
58	.322	.0031	.0034	.0000	.0000	.0057	.0020
59	.328	.0044	.0045	.0011	.0011	.0021	.0007
60	.333	.0060	.0052	.0018	.0018	.0034	.0012



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 6/ 4/57 AV. T= 7.5 RECORD = 9L109
HOUR = 18 SIG.HGT. = 15.6 UPPER HGT. = 16.8
TOTAL OF =240 CORR. VAR. = 15.2 LOWER HGT. = 14.5
NOISE LEVEL = .0043 WIND SPEED = 30

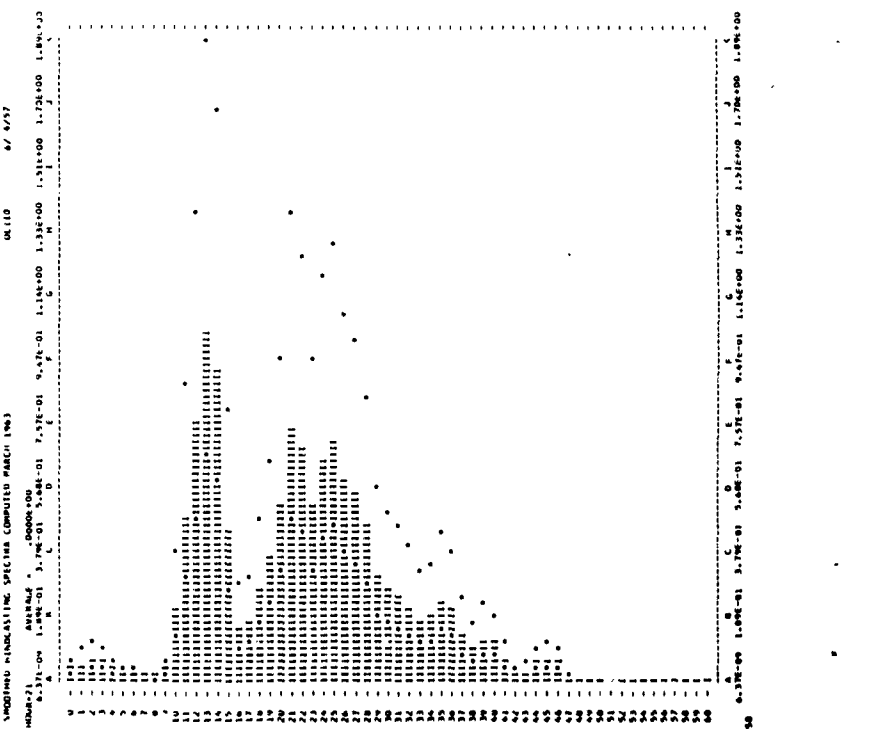
H	FRE.	UNIT=FT.2 FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0270	.0270	.0227	.0419	.0145
1	.006	.0437	.0437	.0394	.0727	.0251
2	.011	.0741	.0741	.0698	.1287	.0445
3	.017	.0761	.0761	.0718	.1326	.0457
4	.022	.0579	.0579	.0536	.0988	.0341
5	.028	.0439	.0439	.0396	.0730	.0252
6	.033	.0306	.0306	.0263	.0485	.0271
7	.039	.0218	.0218	.0175	.0241	.0153
8	.044	.0266	.0266	.0223	.0278	.0177
9	.050	.0220	.0220	.0177	.0308	.0133
10	.056	.1006	.1006	.0963	.1098	.0699
11	.061	.4074	.4074	.4031	.4552	.2898
12	.067	.8797	.8797	.8754	.9930	1.0302
13	.072	1.0768	1.0768	1.0725	1.1586	2.2836
14	.078	.4868	.4868	.4825	.8102	1.4932
15	.083	.2913	.2913	.2870	.3932	.6509
16	.089	.2519	.2519	.2476	.3181	.5863
17	.094	.2560	.2560	.2517	.3399	.6269
18	.100	.2407	.2407	.2364	.3375	.6221
19	.106	.2553	.2553	.2510	.3814	.7029
20	.111	.2773	.2773	.2730	.4434	.8173
21	.117	.3467	.3467	.3424	.5973	1.1010
22	.122	.4428	.4428	.4385	.8257	1.5218
23	.128	.5138	.5138	.5095	1.0402	1.9172
24	.133	.4965	.4965	.4922	1.0949	2.0180
25	.139	.3307	.3307	.3264	.7948	1.4649
26	.144	.1597	.1597	.1554	.4160	.7667
27	.150	.1061	.1061	.1018	.3008	.5541
28	.156	.1053	.1053	.1010	.3306	.6393
29	.161	.1082	.1082	.1039	.3784	.6975
30	.167	.0999	.0999	.0956	.3803	.7176
31	.172	.0781	.0781	.0738	.3370	.6212
32	.178	.0832	.0832	.0789	.4064	.7490
33	.183	.0830	.0830	.0787	.4581	.8443
34	.189	.0492	.0492	.0449	.2971	.5476
35	.194	.0256	.0256	.0213	.1607	.2963
36	.200	.0196	.0196	.0153	.1323	.2438
37	.206	.0200	.0200	.0157	.1499	.2876
38	.211	.0196	.0196	.0153	.1596	.3233
39	.217	.0155	.0155	.0112	.1489	.2745
40	.222	.0125	.3127	.0084	.1303	.2402
41	.228	.0104	.0102	.0059	.1067	.1966
42	.233	.0077	.0077	.0034	.0728	.1341
43	.239	.0055	.0063	.0020	.0502	.0926
44	.244	.0067	.0065	.0022	.0660	.1216
45	.250	.0072	.0066	.0021	.0747	.1378
46	.256	.0066	.0050	.0007	.0289	.0533
47	.261	.0035	.0042	.0000	.0000	.0000
48	.267	.0053	.0053	.0010	.0010	.0018
49	.272	.0071	.0068	.0025	.0048	.0016
50	.278	.0076	.0070	.0027	.0051	.0017
51	.283	.0058	.0055	.0012	.0012	.0023
52	.289	.0028	.0036	.0000	.0000	.0000
53	.294	.0029	.0033	.0000	.0000	.0000
54	.300	.0045	.0040	.0000	.0000	.0000
55	.306	.0041	.0041	.0000	.0000	.0000
56	.311	.0036	.0039	.0000	.0000	.0000
57	.317	.0044	.0041	.0000	.0000	.0000
58	.322	.0042	.0043	.0001	.0001	.0000
59	.328	.0046	.0048	.0005	.0005	.0001
60	.333	.0057	.0051	.0009	.0009	.0016	.0006



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 6/ 4/57 AV. T= 7.7 RECORD = 9L110
HOUR = 21 SIG.HGT. = 14.4 UPPER HGT. = 15.5
TOTAL OF =242 CORR. VAR. = 13.0 LOWER HGT. = 13.4
NOISE LEVEL = .0036 WIND SPEED = 25

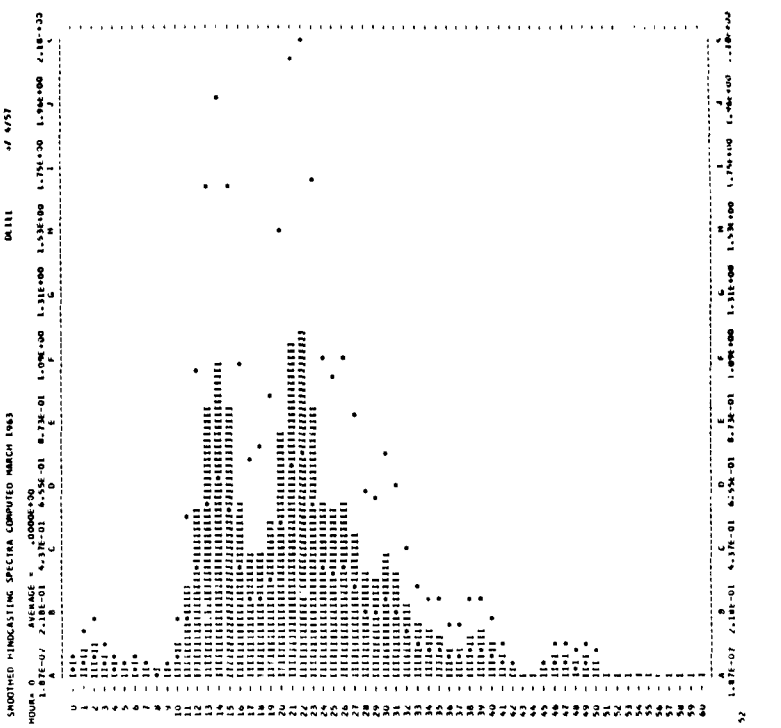
H	FRE.	UNIT=FT.2 FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0393	.0393	.0357	.0357	.0698	.0227
1	.006	.0502	.0502	.0466	.0466	.0899	.0297
2	.011	.0636	.0636	.0600	.0600	.1106	.0382
3	.017	.0537	.0537	.0501	.0501	.0923	.0319
4	.022	.0336	.0336	.0300	.0300	.0553	.0191
5	.028	.0205	.0205	.0169	.0169	.0311	.0108
6	.033	.0133	.0193	.0097	.0157	.0289	.0100
7	.039	.0146	.0146	.0110	.0151	.0278	.0096
8	.044	.0126	.0126	.0090	.0112	.0206	.0071
9	.050	.0309	.0309	.0273	.0321	.0591	.0204
10	.056	.1805	.1805	.1769	.2316	.3717	.1284
11	.061	.4225	.4225	.4189	.4730	.8718	.3012
12	.067	.8692	.8692	.8656	.7550	1.3915	.4807
13	.072	.8936	.8936	.8898	.9274	1.8937	.6542
14	.078	.7765	.7765	.7729	.9174	1.6909	.5842
15	.083	.3540	.3540	.3504	.4311	.7946	.2745
16	.089	.1198	.1198	.1162	.1692	.2751	.0950
17	.094	.1258	.1258	.1222	.1650	.3041	.1051
18	.100	.1867	.1867	.1831	.2614	.4818	.1664
19	.106	.2346	.2346	.2310	.3509	.6468	.2235
20	.111	.3210	.3210	.3174	.5155	.9501	.3282
21	.117	.4512	.4512	.4476	.7454	1.3748	.4749
22	.122	.5648	.5648	.5612	.8801	1.6234	.5330
23	.128	.5570	.5570	.5534	.9173	.9535	.3294
24	.133	.2963	.2963	.2907	.4666	1.1918	.4117
25	.139	.2910	.2910	.2874	.4998	1.2898	.4456
26	.144	.2237	.2237	.2201	.5491	1.0858	.3751
27	.150	.1871	.1871	.1835	.3617	.9985	.3449
28	.156	.1610	.1610	.1574	.4496	.8287	.2863
29	.161	.0880	.0880	.0844	.3073	.5666	.1957
30	.167	.0680	.0680	.0644	.2622	.4832	.1669
31	.172	.0578	.0578	.0542	.2474	.4560	.1575
32	.178	.0456	.0456	.0420	.2162	.3985	.1377
33	.183	.0345	.0345	.0309	.1748	.3313	.1145
34	.189	.0311	.0311	.0275	.1818	.3351	.1158
35	.194	.0349	.0349	.0313	.2359	.4348	.1502
36	.200	.0269	.0269	.0233	.2011	.3707	.1281
37	.206	.0171	.0171	.0135	.1338	.2466	.0852
38	.211	.0119	.0119	.0083	.0949	.1749	.0604
39	.217	.0128	.0128	.0090	.1193	.2199	.0760
40	.222	.0118	.0106	.0070	.1079	.1988	.0687
41	.228	.0062	.0070	.0034	.0611	.1126	.0389
42	.233	.0038	.0046	.0010	.0215	.0396	.0137
43	.239	.0046	.0046	.0010	.0479	.0677	.0165
44	.244	.0054	.0053	.0017	.0489	.0902	.0312
45	.250	.0056	.0055	.0019	.0850	.1148	.0414
46	.256	.0053	.0049	.0013	.0596	.1028	.0356
47	.261	.0038	.0037	.0001	.0058	.0107	.0037
48	.267	.0024	.0030	.0000	.0000	.0000	.0000
49	.272	.0035	.0036	.0000	.0013	.0023	.0008
50	.278	.0051	.0047	.0011	.0011	.0020	.0007
51	.283	.0050	.0048	.0010	.0010	.0018	.0006
52	.289	.0035	.0035	.0000	.0000	.0000	.0000
53	.294	.0026	.0027	.0000	.0000	.0000	.0000
54	.300	.0028	.0028	.0000	.0000	.0000	.0000
55	.306	.0032	.0031	.0000	.0000	.0000	.0000
56	.311	.0033	.0033	.0000	.0000	.0000	.0000
57	.317	.0036	.0037	.0001	.0001	.0002	.0001
58	.322	.0047	.0043	.0007	.0007	.0013	.0004
59	.328	.0045	.0042	.0006	.0006	.0011	.0004
60	.333	.0051	.0038	.0002	.0002	.0004	.0001



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 6/ 4/57 AV. T= 7.6 RECORD = DL111
HOUR = 0 SIG.HGT. = 15.9 UPPER HGT. = 17.1
TOTAL DF =235 CORR. VAR. = 15.7 LOWER HGT. = 14.7
NOISE LEVEL = .0031 WIND SPEED = 20

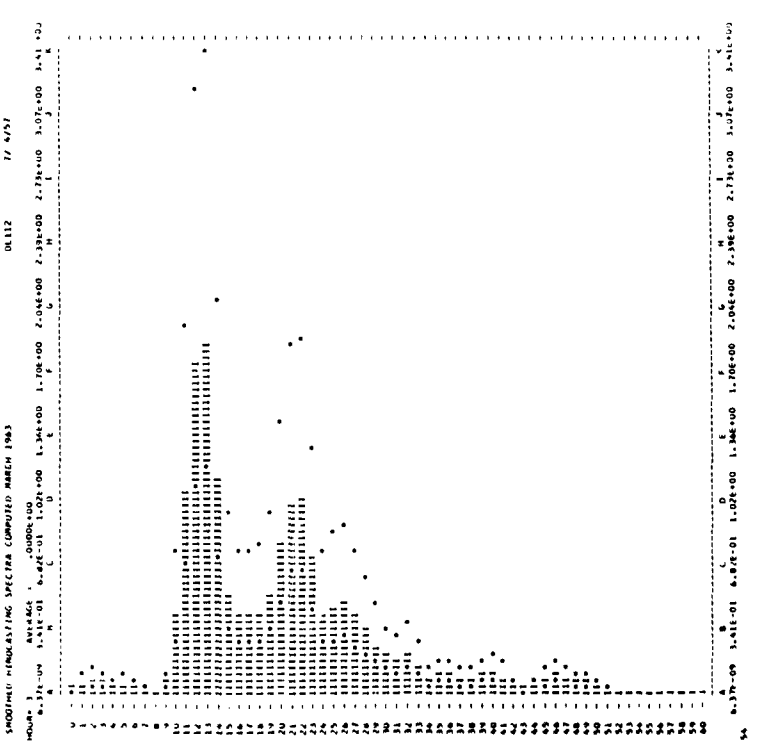
M	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0422	.0422	.0391	.0391	.0721	.0249
1	.006	.0876	.0876	.0845	.0845	.1557	.0538
2	.011	.1145	.1145	.1114	.1114	.2053	.0709
3	.017	.0649	.0649	.0614	.0614	.1132	.0391
4	.022	.0362	.0362	.0331	.0331	.0610	.0211
5	.028	.0319	.0319	.0288	.0288	.0531	.0183
6	.033	.0236	.0236	.0205	.0331	.0611	.0211
7	.039	.0185	.0189	.0156	.0212	.0390	.0135
8	.044	.0186	.0186	.0135	.0168	.0310	.0107
9	.050	.0218	.0218	.0187	.0220	.0405	.0140
10	.056	.0928	.0928	.0897	.1022	.1884	.0651
11	.061	.2651	.2651	.2620	.2958	.5452	.1884
12	.067	.5077	.5077	.5046	.5724	1.0549	.3644
13	.072	.7956	.7956	.7925	.8151	1.6867	.5827
14	.078	.9119	.9119	.9088	1.0787	1.9883	.6869
15	.083	.7413	.7413	.7382	.9083	1.6761	.5783
16	.089	.4565	.4565	.4534	.5824	1.0736	.3708
17	.094	.3095	.3095	.3064	.4084	.7527	.2600
18	.100	.3010	.3010	.2979	.4253	.7839	.2708
19	.106	.3440	.3440	.3409	.5179	.9546	.3298
20	.111	.5128	.5128	.5096	.8273	1.5249	.5268
21	.117	.6590	.6590	.6559	1.1441	2.1088	.7285
22	.122	.6322	.6322	.6291	1.1845	2.1831	.7542
23	.128	.4534	.4534	.4503	.8193	1.6944	.5853
24	.133	.2703	.2703	.2672	.5963	1.0994	.3784
25	.139	.2338	.2338	.2307	.5617	1.0353	.3577
26	.144	.2257	.2257	.2226	.5958	1.0981	.3794
27	.150	.1668	.1668	.1637	.4833	.8908	.3077
28	.156	.1088	.1088	.1057	.3659	.6375	.2202
29	.161	.0968	.0968	.0917	.3339	.6154	.2126
30	.167	.1046	.1046	.1015	.4132	.7616	.2631
31	.172	.0818	.0818	.0787	.3593	.6622	.2288
32	.178	.0492	.0492	.0461	.2373	.4375	.1511
33	.183	.0323	.0323	.0292	.1699	.3131	.1082
34	.189	.0249	.0249	.0218	.1441	.2657	.0918
35	.194	.0212	.0212	.0181	.1364	.2514	.0869
36	.200	.0141	.0141	.0110	.0969	.1750	.0604
37	.206	.0128	.0128	.0097	.0901	.1772	.0612
38	.211	.0155	.0155	.0124	.1419	.2615	.0903
39	.217	.0139	.0139	.0108	.1432	.2640	.0912
40	.222	.0099	.0100	.0069	.1084	.1960	.0677
41	.228	.0063	.0066	.0035	.0629	.1160	.0401
42	.233	.0039	.0042	.0011	.0242	.0445	.0154
43	.239	.0029	.0031	.0000	.0005	.0009	.0003
44	.244	.0018	.0031	.0000	.0000	.0000	.0000
45	.250	.0038	.0039	.0008	.0277	.0510	.0176
46	.256	.0052	.0046	.0015	.0840	.1180	.0408
47	.261	.0044	.0044	.0013	.0662	.1183	.0409
48	.267	.0036	.0039	.0008	.0502	.0928	.0320
49	.272	.0042	.0040	.0009	.0622	.1147	.0396
50	.278	.0039	.0037	.0006	.0515	.0950	.0328
51	.283	.0028	.0029	.0000	.0000	.0000	.0000
52	.289	.0022	.0025	.0000	.0000	.0000	.0000
53	.294	.0027	.0028	.0000	.0000	.0000	.0000
54	.300	.0035	.0031	.0000	.0039	.0071	.0025
55	.306	.0028	.0028	.0000	.0000	.0000	.0000
56	.311	.0023	.0025	.0000	.0000	.0000	.0000
57	.317	.0028	.0029	.0000	.0000	.0000	.0000
58	.322	.0036	.0035	.0004	.0004	.0007	.0003
59	.328	.0040	.0039	.0008	.0008	.0015	.0005
60	.333	.0041	.0041	.0009	.0009	.0017	.0006



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 7/ 4/57 AV. T= 8.4 RECORD = DL112
HOUR = 3 SIG.HGT. = 16.3 UPPER HGT. = 17.7
TOTAL DF =192 CORR. VAR. = 16.0 LOWER HGT. = 15.0
NOISE LEVEL = .0031 WIND SPEED = 25

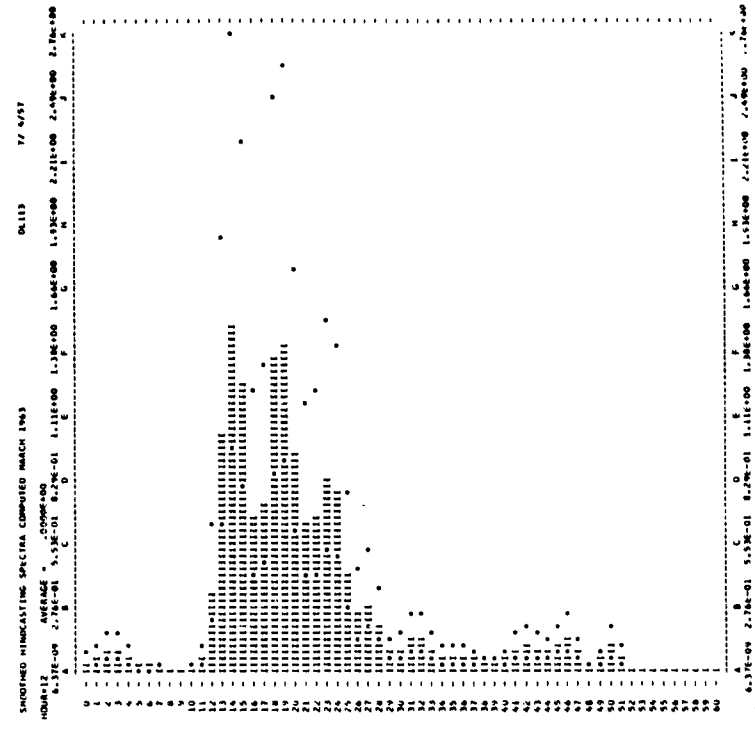
M	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0215	.0215	.0183	.0183	.0338	.0117
1	.006	.0515	.0515	.0483	.0483	.0891	.0308
2	.011	.0777	.0777	.0745	.0745	.1374	.0475
3	.017	.0543	.0543	.0511	.0511	.0943	.0326
4	.022	.0463	.0463	.0431	.0431	.0795	.0275
5	.028	.0517	.0517	.0485	.0485	.0895	.0309
6	.033	.0297	.0297	.0265	.0429	.0791	.0273
7	.039	.0136	.0136	.0104	.0144	.0265	.0091
8	.044	.0082	.0082	.0050	.0063	.0116	.0040
9	.050	.0488	.0496	.0464	.0536	.0988	.0341
10	.056	.3633	.3633	.3601	.4105	.7567	.2614
11	.061	.9404	.9404	.9372	1.0582	1.9505	.6738
12	.067	1.4336	1.5336	1.5304	1.7360	3.1997	1.1056
13	.072	1.6044	1.6044	1.6012	1.9600	3.6079	1.1773
14	.078	.9457	.9457	.9425	1.1188	2.0621	.7124
15	.083	.4202	.4202	.4170	.5131	.9458	.3267
16	.089	.3234	.3234	.3202	.4114	.7582	.2619
17	.094	.3086	.3086	.3054	.4122	.7598	.2625
18	.100	.2962	.2962	.2930	.4184	.7712	.2664
19	.106	.1459	.1459	.1427	.2207	.9598	.3316
20	.111	.4804	.4804	.4772	.7751	1.4286	.4935
21	.117	.5747	.5747	.5715	.9970	1.8376	.6348
22	.122	.5456	.5456	.5424	1.0213	1.8825	.6503
23	.128	.3506	.3506	.3474	.7093	1.3074	.4517
24	.133	.1843	.1843	.1811	.4029	.7427	.2566
25	.139	.1897	.1897	.1865	.4542	.8372	.2892
26	.144	.1850	.1850	.1818	.4867	.8971	.3099
27	.150	.1391	.1391	.1359	.4014	.7398	.2556
28	.156	.1050	.1050	.1018	.3333	.6143	.2122
29	.161	.0730	.0730	.0698	.2544	.4688	.1620
30	.167	.0493	.0493	.0461	.1879	.3463	.1196
31	.172	.0411	.0411	.0379	.1733	.3195	.1103
32	.178	.0436	.0436	.0404	.2083	.3839	.1326
33	.183	.0278	.0278	.0246	.1434	.2644	.0913
34	.189	.0164	.0164	.0132	.0744	.1371	.0474
35	.194	.0153	.0153	.0121	.0916	.1688	.0583
36	.200	.0133	.0133	.0101	.0876	.1615	.0558
37	.206	.0103	.0103	.0071	.0709	.1307	.0451
38	.211	.0101	.0101	.0069	.0795	.1466	.0507
39	.217	.0108	.0108	.0076	.1015	.1871	.0646
40	.222	.0105	.0099	.0068	.1045	.1926	.0665
41	.228	.0079	.0078	.0046	.0833	.1535	.0530
42	.233	.0048	.0052	.0021	.0638	.0807	.0279
43	.239	.0034	.0040	.0008	.0211	.0389	.0134
44	.244	.0044	.0044	.0013	.0374	.0690	.0238
45	.250	.0055	.0052	.0021	.0731	.1347	.0465
46	.256	.0056	.0056	.0022	.0922	.1700	.0587
47	.261	.0068	.0068	.0034	.0805	.1484	.0513
48	.267	.0039	.0041	.0010	.0595	.1096	.0379
49	.272	.0040	.0039	.0008	.0537	.0989	.0342
50	.278	.0037	.0036	.0004	.0368	.0678	.0234
51	.283	.0029	.0033	.0001	.0131	.0242	.0084
52	.289	.0036	.0039	.0007	.0067	.0014	.0005
53	.294	.0055	.0048	.0017	.0017	.0031	.0011
54	.300	.0067	.0045	.0014	.0014	.0025	.0009
55	.306	.0031	.0035	.0004	.0004	.0006	.0002
56	.311	.0031	.0030	.0000	.0000	.0000	.0000
57	.317	.0028	.0027	.0000	.0000	.0000	.0000
58	.322	.0023	.0023	.0000	.0000	.0000	.0000
59	.328	.0018	.0018	.0000	.0000	.0000	.0000
60	.333	.0014	.0014	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 7/ 4/57 AV. T= 8.1 RECORD = DL113
HOUR = 12 SIG.HGT. = 15.7 UPPER HGT. = 17.1
TOTAL DF =179 CORR. VAR. = 15.4 LOWER HGT. = 14.4
NOISE LEVEL = .0020 WIND SPEED = 25

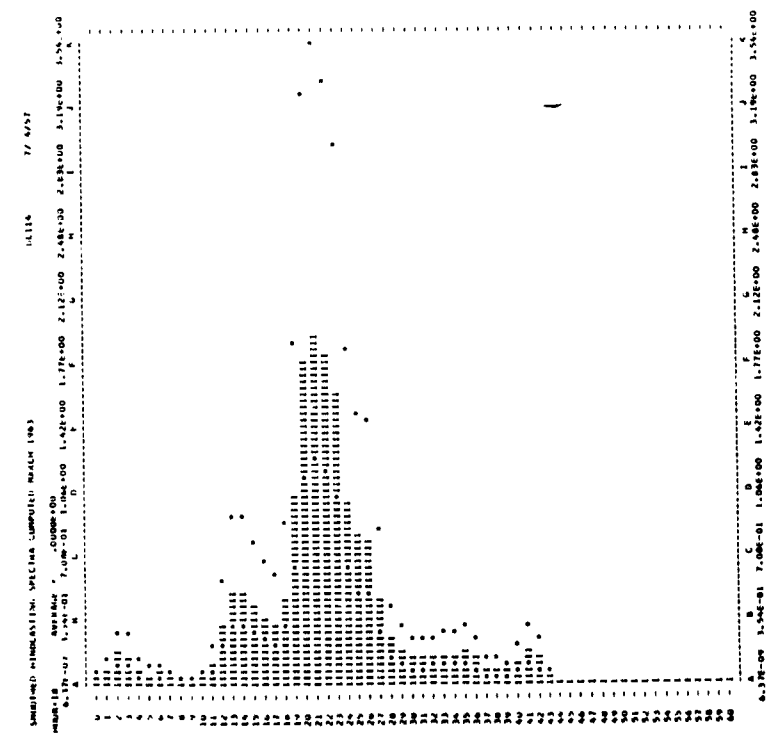
H	FRE. UNIT=PT.2	FILTERED -NOISE		CORR.FT.2	UPPER	LOWER
0	.000	.0397	.0397	.0377	.0695	.0260
1	.006	.0547	.0547	.0527	.0971	.0336
2	.011	.0861	.0861	.0841	.1550	.0535
3	.017	.0971	.0971	.0951	.1751	.0605
4	.022	.0605	.0605	.0585	.1078	.0372
5	.028	.0200	.0200	.0180	.0332	.0115
6	.033	.0120	.0120	.0100	.0181	.0103
7	.039	.0102	.0102	.0082	.0147	.0072
8	.044	.0078	.0078	.0058	.0133	.0044
9	.050	.0057	.0057	.0037	.0043	.0028
10	.056	.0134	.0134	.0114	.0230	.0083
11	.061	.0583	.0583	.0533	.1109	.0383
12	.067	.3053	.3053	.3033	.6361	.2191
13	.072	.8796	.8796	.8776	1.8131	1.8673	.6651
14	.078	1.2652	1.2652	1.2632	1.4996	2.7626	.9567
15	.083	1.0136	1.0136	1.0116	1.2667	2.2961	.7925
16	.089	.5132	.5132	.5112	.6566	1.2103	.4181
17	.094	.5331	.5331	.5311	.7172	1.3219	.4567
18	.100	.9442	.9442	.9422	1.3652	2.4793	.8565
19	.106	.9361	.9361	.9361	1.6192	2.6157	.9036
20	.111	.5895	.5895	.5835	.9477	1.7467	.6036
21	.117	.3638	.3638	.3618	.6311	1.1632	.4019
22	.122	.3527	.3527	.3507	.6603	1.2170	.4206
23	.128	.4080	.4080	.4060	.8288	1.5277	.5278
24	.133	.3656	.3656	.3636	.7643	1.4086	.4868
25	.139	.1768	.1768	.1728	.4207	.7755	.2679
26	.144	.0902	.0902	.0882	.2360	.4351	.1503
27	.150	.0980	.0980	.0960	.2834	.5223	.1805
28	.156	.0627	.0627	.0607	.1986	.3661	.1265
29	.161	.0238	.0238	.0218	.0794	.1463	.0506
30	.167	.0235	.0235	.0215	.0875	.1613	.0557
31	.172	.0312	.0312	.0292	.1333	.2456	.0849
32	.178	.0296	.0296	.0276	.1421	.2619	.0905
33	.183	.0183	.0183	.0163	.0948	.1747	.0604
34	.189	.0110	.0110	.0090	.0595	.1096	.0379
35	.194	.0100	.0100	.0080	.0602	.1110	.0384
36	.200	.0083	.0083	.0063	.0543	.1001	.0346
37	.206	.0057	.0067	.0047	.0465	.0858	.0296
38	.211	.0052	.0052	.0032	.0365	.0674	.0233
39	.217	.0040	.0040	.0020	.0264	.0487	.0168
40	.222	.0047	.0051	.0031	.0485	.0893	.0309
41	.228	.0072	.0067	.0047	.0850	.1566	.0541
42	.233	.0078	.0070	.0050	.1094	.1942	.0671
43	.239	.0052	.0055	.0035	.0874	.1610	.0556
44	.244	.0034	.0046	.0026	.0761	.1403	.0485
45	.250	.0054	.0051	.0031	.1094	.2016	.0696
46	.256	.0059	.0051	.0031	.1303	.2401	.0829
47	.261	.0034	.0035	.0015	.0752	.1386	.0479
48	.267	.0016	.0022	.0002	.0114	.0211	.0073
49	.272	.0026	.0026	.0006	.0424	.0781	.0270
50	.278	.0038	.0032	.0012	.1033	.1903	.0658
51	.283	.0026	.0026	.0006	.0623	.1148	.0397
52	.289	.0018	.0018	.0000	.0000	.0000	.0000
53	.294	.0019	.0019	.0000	.0000	.0000	.0000
54	.300	.0024	.0024	.0004	.0064	.0007	.0002
55	.306	.0027	.0027	.0007	.0007	.0014	.0005
56	.311	.0030	.0030	.0010	.0010	.0018	.0006
57	.317	.0030	.0026	.0006	.0000	.0011	.0004
58	.322	.0014	.0016	.0000	.0000	.0000	.0000
59	.328	.0006	.0008	.0000	.0000	.0000	.0000
60	.333	.0007	.0006	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 7/ 4/57 AV. T= 7.9 RECORD = DL114
HOUR = 18 SIG.HGT. = 16.5 UPPER HGT. = 18.1
TOTAL DF =162 CORR. VAR. = 17.0 LOWER HGT. = 15.1
NOISE LEVEL = .0060 WIND SPEED = 30

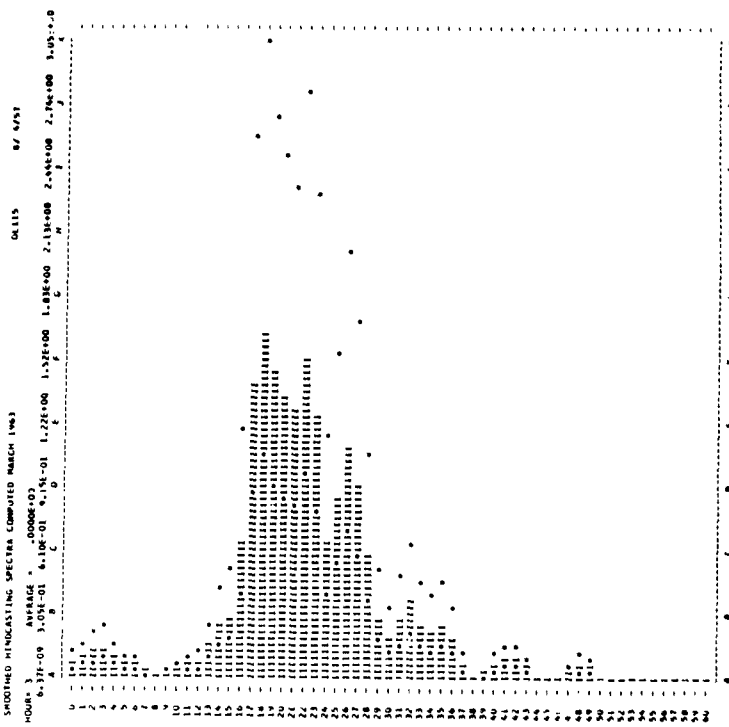
H	FRE. UNIT=FT.2	FILTERED -NOISE		CORR.FT.2	UPPER	LOWER
0	.000	.0443	.0443	.0383	.0385	.0706	.0244
1	.006	.0911	.0911	.0851	.1568	.0542
2	.011	.1675	.1675	.1615	.2978	.1028
3	.017	.1540	.1540	.1480	.2727	.0942
4	.022	.0863	.0863	.0803	.1480	.0511
5	.028	.0556	.0556	.0496	.0910	.0314
6	.033	.0638	.0638	.0378	.0610	.1129	.0389
7	.039	.0289	.0289	.0229	.0514	.0579	.0200
8	.044	.0148	.0148	.0088	.0109	.0202	.0070
9	.050	.0187	.0187	.0127	.0149	.0275	.0095
10	.056	.0340	.0340	.0280	.0319	.0588	.0203
11	.061	.1032	.1032	.0972	.1047	.2022	.0699
12	.067	.2792	.2792	.2732	.3099	.5711	.1973
13	.072	.4634	.4394	.4334	.5004	.9224	.3186
14	.078	.4271	.4271	.4211	.4948	.9212	.3183
15	.083	.3550	.3550	.3490	.4296	.7916	.2734
16	.089	.2901	.2901	.2861	.3669	.6726	.2323
17	.094	.2445	.2445	.2385	.3220	.5936	.2051
18	.100	.3372	.3372	.3312	.4728	.8715	.3011
19	.106	.6816	.6816	.6756	1.0264	1.8918	.6536
20	.111	1.0479	1.0479	1.0419	1.7733	3.2885	1.1291
21	.117	1.1072	1.1072	1.1012	1.9209	3.5605	1.2231
22	.122	.9671	.9671	.9611	1.8095	3.3352	1.1522
23	.128	.7922	.7922	.7862	1.6050	2.9582	1.0220
24	.133	.4527	.4527	.4467	.9411	1.8304	.6343
25	.139	.3338	.3338	.3278	.7981	1.4710	.5082
26	.144	.1013	.1013	.2953	.7901	1.4567	.5032
27	.150	.1595	.1595	.1535	.4531	.8352	.2886
28	.156	.0769	.0769	.0709	.2420	.4475	.1477
29	.161	.0545	.0545	.0485	.1765	.3256	.1124
30	.167	.0397	.0397	.0337	.1371	.2527	.0873
31	.172	.0350	.0350	.0290	.1173	.2159	.0742
32	.178	.0337	.0337	.0277	.1125	.2067	.0708
33	.183	.0311	.0291	.0251	.1053	.1940	.0679
34	.189	.0293	.0293	.0233	.1140	.2838	.1490
35	.194	.0301	.0301	.0241	.1815	.3346	.1156
36	.200	.0213	.0213	.0153	.1317	.2432	.0840
37	.206	.0136	.0136	.0076	.0752	.1385	.0479
38	.211	.0130	.0130	.0070	.0749	.1675	.0509
39	.217	.0110	.0110	.0050	.0861	.1210	.0421
40	.222	.0138	.0138	.0078	.1196	.2205	.0762
41	.228	.0152	.0152	.0092	.1658	.3056	.1056
42	.233	.0122	.0122	.0062	.1315	.2424	.0837
43	.239	.0063	.0079	.0019	.0473	.0872	.0301
44	.244	.0065	.0062	.0002	.0065	.0086	.0029
45	.250	.0056	.0056	.0000	.0000	.0000	.0000
46	.256	.0049	.0053	.0000	.0000	.0000	.0000
47	.261	.0070	.0067	.0007	.0007	.0012	.0004
48	.267	.0082	.0077	.0017	.0017	.0031	.0011
49	.272	.0075	.0077	.0017	.0017	.0031	.0011
50	.278	.0075	.0077	.0017	.0017	.0031	.0011
51	.283	.0083	.0085	.0025	.0025	.0045	.0016
52	.289	.0098	.0092	.0032	.0032	.0059	.0020
53	.294	.0090	.0086	.0026	.0029	.0047	.0018
54	.300	.0064	.0067	.0007	.0007	.0013	.0004
55	.306	.0051	.0052	.0000	.0000	.0000	.0000
56	.311	.0042	.0042	.0000	.0000	.0000	.0000
57	.317	.0033	.0038	.0000	.0000	.0000	.0000
58	.322	.0044	.0043	.0000	.0000	.0000	.0000
59	.328	.0051	.0048	.0000	.0000	.0000	.0000
60	.333	.0047	.0049	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 8/ 4/57 AV. T= 7.7 RECORD = DL115
HOUR = 3 SIG.HGT. = 17.2 UPPER HGT. = 18.8
TOTAL OF =182 CORR. VAR. = 18.5 LOWER HGT. = 15.8
NOISE LEVEL = .0046 WIND SPEED = 30

M	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0667	.0667	.0621	.1144	.0395
1	.006	.0818	.0818	.0772	.1423	.0491
2	.011	.1336	.1234	.1188	.2189	.0756
3	.017	.1339	.1339	.1293	.2383	.0823
4	.022	.0865	.0865	.0819	.1509	.0521
5	.028	.0546	.0546	.0500	.0921	.0318
6	.033	.0401	.0401	.0355	.0657	.0365
7	.039	.0189	.0189	.0143	.0264	.0125
8	.044	.0099	.0099	.0053	.0066	.0042
9	.050	.0128	.0128	.0082	.0096	.0061
10	.056	.0306	.0304	.0280	.0296	.0189
11	.061	.0461	.0461	.0415	.0488	.0288
12	.067	.0600	.0600	.0554	.0628	.0400
13	.072	.1252	.1252	.1206	.1392	.0867
14	.078	.2043	.2043	.1997	.2370	.1509
15	.083	.2379	.2378	.2333	.2870	.1826
16	.089	.5020	.5020	.4974	.6389	.4068
17	.094	1.0422	1.0422	1.0376	1.4012	2.5825 .8922
18	.100	1.1633	1.1633	1.1587	1.6563	3.0490 1.0533
19	.106	.9624	.9624	.9578	1.4592	2.6821 .9266
20	.111	.8377	.8377	.8331	1.3530	2.4938 .8615
21	.117	.7332	.7332	.7286	1.2709	2.3425 .8093
22	.122	.8137	.8137	.8091	1.5233	2.8077 .9700
23	.128	.8182	.8182	.8136	1.2526	2.3088 .7976
24	.133	.2898	.2898	.2852	.6343	1.1692 .4039
25	.139	.3509	.3509	.3463	.8432	1.5541 .5369
26	.144	.4157	.4157	.4111	1.1003	2.0279 .7006
27	.150	.3170	.3170	.3124	.9222	1.6998 .5872
28	.156	.1795	.1795	.1749	.5723	1.0546 .3644
29	.161	.0823	.0823	.0777	.2829	.5214 .1801
30	.167	.0683	.0683	.0637	.1778	.3278 .1132
31	.172	.0622	.0622	.0576	.2629	.4845 .1674
32	.178	.0734	.0734	.0688	.3562	.6568 .2265
33	.183	.0467	.0467	.0421	.2449	.4513 .1559
34	.189	.0369	.0369	.0319	.2109	.3886 .1343
35	.194	.0378	.0378	.0332	.2501	.4610 .1593
36	.200	.0248	.0248	.0202	.1743	.3212 .1110
37	.206	.0117	.0117	.0071	.0702	.1295 .0447
38	.211	.0049	.0049	.0003	.0032	.0060 .0021
39	.217	.0080	.0080	.0014	.0183	.0338 .0117
40	.222	.0090	.0085	.0038	.0591	.1090 .0376
41	.228	.0098	.0094	.0048	.0861	.1588 .0548
42	.233	.0090	.0086	.0040	.0835	.1540 .0532
43	.239	.0085	.0084	.0020	.0499	.0919 .0317
44	.244	.0045	.0048	.0002	.0046	.0085 .0029
45	.250	.0036	.0039	.0000	.0000	.0000 .0000
46	.256	.0040	.0043	.0000	.0000	.0000 .0000
47	.261	.0057	.0056	.0008	.0375	.0692 .0239
48	.267	.0061	.0058	.0012	.0703	.1296 .0448
49	.272	.0053	.0053	.0007	.0488	.0900 .0311
50	.278	.0045	.0044	.0000	.0000	.0000 .0000
51	.283	.0032	.0031	.0000	.0000	.0000 .0000
52	.289	.0016	.0022	.0000	.0000	.0000 .0000
53	.294	.0026	.0031	.0000	.0000	.0000 .0000
54	.300	.0034	.0034	.0008	.0008	.0014 .0005
55	.306	.0074	.0068	.0022	.0022	.0040 .0014
56	.311	.0065	.0063	.0017	.0017	.0032 .0011
57	.317	.0050	.0049	.0003	.0003	.0006 .0002
58	.322	.0032	.0040	.0000	.0000	.0000 .0000
59	.328	.0045	.0047	.0001	.0001	.0002 .0001
60	.333	.0067	.0056	.0010	.0010	.0018 .0006



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 8/ 4/57 AV. T= 6.7 RECORD = DL116
HOUR = 12 SIG.HGT. = 11.2 UPPER HGT. = 12.0
TOTAL OF =244 CORR. VAR. = 7.1 LOWER HGT. = 10.4
NOISE LEVEL = .0024 WIND SPEED = 20

M	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0126	.0126	.0101	.0187	.0065
1	.006	.0208	.0208	.0183	.0338	.0117
2	.011	.0380	.0380	.0355	.0655	.0226
3	.017	.0436	.0436	.0411	.0758	.0262
4	.022	.0314	.0314	.0289	.0534	.0184
5	.028	.0176	.0176	.0151	.0279	.0096
6	.033	.0118	.0118	.0093	.0171	.0059
7	.039	.0086	.0086	.0061	.0085	.0156 .0054
8	.044	.0066	.0066	.0041	.0052	.0095 .0033
9	.050	.0069	.0069	.0044	.0052	.0096 .0033
10	.056	.0061	.0061	.0036	.0042	.0077 .0026
11	.061	.0169	.0164	.0144	.0183	.0301 .0104
12	.067	.0491	.0491	.0466	.0529	.0975 .0337
13	.07	.0734	.0734	.0709	.0819	.1510 .0522
14	.078	.0772	.0772	.0747	.0887	.1635 .0565
15	.083	.0977	.0977	.0952	.1172	.2160 .0746
16	.089	.1034	.1034	.1009	.1297	.2390 .0826
17	.094	.2097	.2097	.2072	.2749	.5158 .1782
18	.100	.4261	.4261	.4236	.6048	1.1148 .3851
19	.106	.4223	.4223	.4198	.6379	1.1757 .4062
20	.111	.2824	.2824	.2799	.4547	.8380 .2895
21	.117	.2685	.2685	.2660	.4641	.8554 .2955
22	.122	.2552	.2552	.2527	.4759	.8771 .3030
23	.128	.1652	.1652	.1627	.3333	.6124 .2116
24	.133	.1347	.1347	.1322	.2942	.5422 .1873
25	.139	.1557	.1557	.1532	.3731	.6878 .2376
26	.144	.1385	.1385	.1360	.3641	.6712 .2319
27	.150	.1036	.1036	.1011	.2984	.5504 .1901
28	.156	.0687	.0687	.0662	.2168	.3996 .1380
29	.161	.0439	.0439	.0414	.1569	.2782 .0961
30	.167	.0446	.0446	.0421	.1716	.3163 .1093
31	.172	.0465	.0465	.0440	.2011	.3707 .1281
32	.178	.0409	.0409	.0384	.1980	.3649 .1261
33	.183	.0418	.0418	.0393	.2290	.4220 .1458
34	.189	.0379	.0379	.0354	.2345	.4321 .1493
35	.194	.0252	.0252	.0227	.1715	.3161 .1092
36	.200	.0166	.0166	.0141	.1222	.2252 .0778
37	.206	.0162	.0162	.0137	.1364	.2513 .0868
38	.211	.0134	.0134	.0109	.1253	.2310 .0798
39	.217	.0089	.0089	.0064	.0940	.1732 .0598
40	.222	.0046	.0052	.0028	.0432	.0796 .0275
41	.228	.0049	.0047	.0022	.0401	.0739 .0255
42	.233	.0043	.0045	.0020	.0433	.0798 .0276
43	.239	.0045	.0045	.0020	.0509	.0938 .0324
44	.244	.0047	.0044	.0020	.0590	.1065 .0369
45	.250	.0038	.0037	.0013	.0453	.0834 .0288
46	.256	.0027	.0026	.0003	.0257	.0469 .0162
47	.261	.0026	.0029	.0005	.0248	.0457 .0158
48	.267	.0034	.0034	.0010	.0574	.1046 .0379
49	.272	.0034	.0032	.0007	.0537	.0989 .0342
50	.278	.0021	.0025	.0001	.0065	.0120 .0041
51	.283	.0025	.0026	.0000	.0000	.0000 .0000
52	.289	.0025	.0026	.0001	.0140	.0249 .0102
53	.294	.0028	.0027	.0003	.0470	.0867 .0299
54	.300	.0029	.0027	.0002	.0481	.0887 .0308
55	.306	.0022	.0023	.0000	.0000	.0000 .0000
56	.311	.0021	.0021	.0000	.0000	.0000 .0000
57	.317	.0021	.0021	.0000	.0000	.0000 .0000
58	.322	.0020	.0022	.0000	.0000	.0000 .0000
59	.328	.0026	.0025	.0001	.0001	.0002 .0001
60	.333	.0030	.0028	.0004	.0004	.0006 .0002

